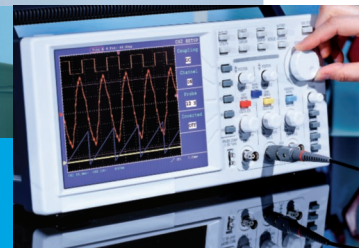


Diodes



Product
Selection
Guide

MACOMTM

Partners from RF to Light

www.macom.com

The Trusted Name in High Performance RF Diodes



MACOM is committed to delivering industry-leading diode design and application-specific solutions for our customers worldwide. MACOM design and application engineers are continuing our 65-year legacy and commitment of leadership with next-gen wideband RF solutions for mission-critical applications. Our expert RF team leverages the latest semiconductor technologies and state-of-the-art foundry processes to reach new levels of performance in bandwidth, power, packaging, and reliability.

Diode Support Services

- > Lot approval offered: maintaining secured inventory at our factory
- > Product extensions/variants, custom design and development
- > Hi-Rel screening capabilities: Space & JAN, JANTX, JANTXV, JANS-qualified RF and DC devices
- > Applications support: world-class experienced team available to support your critical requirements

Patented Technologies

- > AlGaAs: high frequency switch portfolio up to 94 GHz
- > HMIC™: high power diode and switch portfolio (0.1 to 20 GHz, 6.5 W CW incident power)

MACOM Diodes

For microwave circuit applications from 1 MHz to 80 GHz

MACOM designs, manufactures, and supports one of the widest variety of PIN, Schottky, Varactor, and Multiplier diodes in the industry for microwave circuit applications from 1 MHz to 80 GHz. Our diodes are manufactured in die, SURMOUNT™, plastic, and ceramic packaging for a variety of circuit configurations providing high performance.

Varactor Tuning Diodes

- > GaAs constant gamma series for higher frequency and high Q applications
- > Plastic packaged silicon varactor diodes for surface mount applications, including VCOs, tunable filters, and phase shifters

Multiplier Step Recovery Diodes

- > Flip chip series for higher frequency millimeterwave applications
- > Plastic packaged series for microwave frequency surface mount applications
- > Ceramic packaged series for high power waveguide and coaxial applications

PIN Switch and Attenuator Diodes

- > Broadband performance from 1 MHz to 70 GHz
- > Excellent choices for switch, limiter, phase shifter, and attenuator circuit applications
- > Plastic series for cost effective, surface mount applications
- > AlGaAs series for low loss, high isolation millimeter wave frequency applications
- > GaAs and silicon flip chip series for surface mount millimeterwave applications
- > SURMOUNT™ chipscale style for surface mount high performance applications

PIN Limiter Diodes

- > Die series for chip and wire high frequency microwave applications
- > Ceramic packaged series for waveguide, coaxial, and surface mount applications

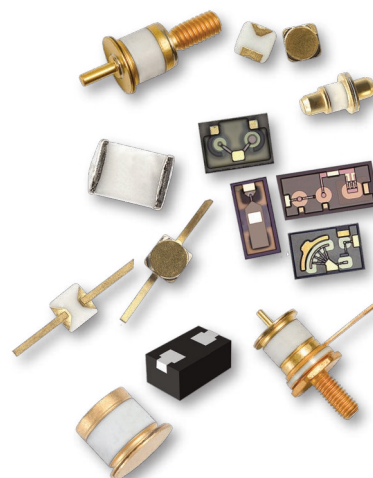
Schottky Mixer and Detector Diodes

- > Best choice for microwave circuit detector and mixer applications ranging from DC to 80 GHz
- > Available in die form, SURMOUNT™, flip chip, plastic, and ceramic packaging

Zener and Current Limiter Diodes

Portfolio includes:

- > Current Limiter Field Effect diodes with low noise figure, mechanical reliability
- > Silicon Zener diodes 1N5000 and 1N6000 series for use at low current levels with low leakage, low impedance, and low noise
- > Silicon Zener Diode Sharp Breakdown with sharper breakdown and lower leakage current characteristics in the 4-10 volt and 5-9 volt ranges
- > Silicon Low Level Zener diodes with very low voltage, low leakage, sharp knee, low impedance, low current (250 μ A) and ultra-low current (50 μ A)



Varactor Tuning Diodes

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MAVR-045436-0287FT	0.5	4.7	1800	30	ODS-287
MAVR-045438-0287FT	0.5	6.8	1600	30	ODS-287
MAVR-045441-0287FT	0.5	12	1200	30	ODS-287
MAVR-045441-0287AT	0.5	12	1200	30	ODS-287
MAVR-045438-0287AT	0.5	6.8	1600	30	ODS-287
MAVR-045440-0287FT	0.5	10	1300	30	ODS-287
MA46603-134	0.5	0.6	6500	30	ODS-134 Die
MAVR-045446-0287AT	0.5	33	750	30	ODS-287
MAVR-045436-0287AT	0.5	4.7	1800	30	ODS-287
MAVR-045440-0287AT	0.5	10	1300	30	ODS-287
MA46600-134	0.5	0.3	8000	30	ODS-134 Die
MA46603-276	0.5	0.6	6500	30	ODS-276
1N5139	0.5	6.8	350	65	DO-7
1N5139A	0.5	6.8	350	65	DO-7
1N5140	0.5	10	300	65	DO-7
1N5140A	0.5	10	300	65	DO-7
1N5141	0.5	12	300	65	DO-7
1N5141A	0.5	12	300	65	DO-7
1N5142	0.5	15	250	65	DO-7
1N5142A	0.5	15	250	65	DO-7
1N5143	0.5	18	250	65	DO-7
1N5143A	0.5	18	250	65	DO-7
1N5144	0.5	22	200	65	DO-7
1N5144A	0.5	22	200	65	DO-7
1N5145	0.5	27	200	65	DO-7
1N5145A	0.5	27	200	65	DO-7
1N5146	0.5	33	200	65	DO-7
1N5146A	0.5	33	200	65	DO-7
1N5147	0.5	39	200	65	DO-7
1N5147A	0.5	39	200	65	DO-7
1N5148	0.5	47	200	65	DO-7
1N5148A	0.5	47	200	65	DO-7
1N5441	0.5	6.8	450	30	DO-7
1N5442A	0.5	8.2	450	30	DO-7
1N5443	0.5	10	400	30	DO-7
1N5444	0.5	12	400	30	DO-7
1N5445	0.5	15	400	30	DO-7
1N5446	0.5	18	350	30	DO-7
1N5447	0.5	20	350	30	DO-7
1N5448	0.5	22	350	30	DO-7
1N5449	0.5	27	350	30	DO-7
1N5450	0.5	33	350	30	DO-7
1N5451	0.5	39	300	30	DO-7
1N5452	0.5	47	250	30	DO-7
1N5453	0.5	56	200	30	DO-7
1N5454	0.5	68	175	30	DO-7
1N5455	0.5	82	175	30	DO-7
1N5456	0.5	120	175	30	DO-7
1N5461	0.5	6.8	600	30	DO-7
1N5462	0.5	8.2	600	30	DO-7

Detailed specifications can be found quickly on our website at macom.com by typing the part number into the search box. All specifications are subject to change.

Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
1N5463	0.5	10	550	30	DO-7
1N5464	0.5	12	550	30	DO-7
1N5465	0.5	15	550	30	DO-7
1N5466	0.5	18	500	30	DO-7
1N5467	0.5	20	500	30	DO-7
1N5468	0.5	22	500	30	DO-7
1N5469	0.5	27	500	30	DO-7
1N5470	0.5	33	500	30	DO-7
1N5471	0.5	39	450	30	DO-7
1N5472	0.5	47	400	30	DO-7
1N5473	0.5	56	300	30	DO-7
1N5474	0.5	68	250	30	DO-7
1N5475	0.5	82	225	30	DO-7
1N5476	0.5	100	200	30	DO-7
1N5681	0.5	6.8	600	45	DO-7
1N5682	0.5	8.2	600	45	DO-7
1N5683	0.5	10	550	45	DO-7
1N5684	0.5	12	550	45	DO-7
1N5685	0.5	15	550	45	DO-7
1N5686	0.5	18	500	45	DO-7
1N5687	0.5	22	500	45	DO-7
1N5688	0.5	27	500	45	DO-7
1N5689	0.5	33	500	45	DO-7
1N5690	0.5	39	450	45	DO-7
1N5691	0.5	47	400	45	DO-7
1N5692	0.5	56	300	45	DO-7
1N5693	0.5	68	250	45	DO-7
1N5694	0.5	82	225	45	DO-7
1N5695	0.5	100	200	45	DO-7
1N5696	0.5	6.8	450	65	DO-7
1N5697	0.5	8.2	450	65	DO-7
1N5698	0.5	10	400	65	DO-7
1N5699	0.5	12	400	65	DO-7
1N5700	0.5	15	400	65	DO-7
1N5701	0.5	18	375	65	DO-7
1N5702	0.5	22	375	65	DO-7
1N5703	0.5	27	350	65	DO-7
1N5704	0.5	33	350	65	DO-7
1N5705	0.5	39	325	65	DO-7
1N5706	0.5	47	300	65	DO-7
1N5707	0.5	56	225	65	DO-7
1N5708	0.5	68	175	65	DO-7
1N5709	0.5	82	150	65	DO-7
MAVR-045436-12790T	0.5	4.7	1800	30	ODS-1279
MGV050-18	0.5	0.3	4000	22	C01A
MGV050-18-0805-2	0.5	0.3	4000	22	0805-2
MGV050-18-E28 / 28X	0.5	0.3	4000	22	E28 /28X
MGV050-18-H20	0.5	0.3	4000	22	H20
MGV050-20	0.5	0.55	4000	22	C01A
MGV050-20-0805-2	0.5	0.55	4000	22	0805-2

Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MGV050-20-E28 / 28X	0.5	0.55	4000	22	E28 /28X
MGV050-20-H20	0.5	0.55	4000	22	H20
MGV050-22	0.5	1	3000	22	C01A
MGV050-22-0805-2	0.5	1	3000	22	0805-2
MGV050-22-E28 / 28X	0.5	1	3000	22	E28 /28X
MGV050-22-H20	0.5	1	3000	22	H20
MGV050-24	0.5	1.5	3000	22	C01A
MGV050-24-0805-2	0.5	1.5	3000	22	0805-2
MGV050-24-E28 / 28X	0.5	1.5	3000	22	E28 /28X
MGV050-24-H20	0.5	1.5	3000	22	H20
MGV050-26	0.5	2	3000	22	C01A
MGV050-26-0805-2	0.5	2	3000	22	0805-2
MGV050-26-E28 / 28X	0.5	2	3000	22	E28 /28X
MGV050-26-H20	0.5	2	3000	22	H20
MSV1400-08-001	—	1.8	2900	30	Plastic
MSV1400-09-001	—	2.2	2800	30	Plastic
MSV1400-10-001	—	2.7	2600	30	Plastic
MSV1400-108-004	—	1.8	2900	30	Plastic
MSV1400-109-004	—	2.2	2800	30	Plastic
MSV1400-11-001	—	3.3	2500	30	Plastic
MSV1400-110-004	—	2.7	2600	30	Plastic
MSV1400-111-004	—	3.3	2500	30	Plastic
MSV1400-113-004	—	3.9	2400	30	Plastic
MSV1400-114-004	—	4.7	2200	30	Plastic
MSV1400-115-004	—	5.6	2100	30	Plastic
MSV1400-116-004	—	6.8	2000	30	Plastic
MSV1400-117-004	—	8.2	1800	30	Plastic
MSV1400-13-001	—	3.9	2400	30	Plastic
MSV1400-14-001	—	4.7	2200	30	Plastic
MSV1400-15-001	—	5.6	2100	30	Plastic
MSV1400-16-001	—	6.8	2000	30	Plastic
MSV1400-17-001	—	8.2	1800	30	Plastic
MSV1400-19-001	—	10	1600	30	Plastic
MSV1400-20-001	—	12	1500	30	Plastic
MSV1400-21-001	—	15	1200	30	Plastic
MTV4030-01	0.5	0.4	5000	30	Multiple
MTV4030-02	0.5	0.6	5000	30	Multiple
MTV4030-03	0.5	0.8	4800	30	Multiple
MTV4030-04	0.5	1	4800	30	Multiple
MTV4030-05	0.5	1.2	4600	30	Multiple
MTV4030-06	0.5	1.4	4400	30	Multiple
MTV4030-07	0.5	1.6	4400	30	Multiple
MTV4030-08	0.5	1.8	4200	30	Multiple
MTV4030-09	0.5	2.2	4000	30	Multiple
MTV4030-10	0.5	2.7	3800	30	Multiple
MTV4030-11	0.5	3.3	3600	30	Multiple
MTV4030-12	0.5	3.6	3400	30	Multiple
MTV4030-13	0.5	3.9	3400	30	Multiple
MTV4030-14	0.5	4.7	3200	30	Multiple
MTV4030-15	0.5	5.6	3000	30	Multiple
MTV4030-16	0.5	6.8	2800	30	Multiple

Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MTV4030-17	0.5	8.2	2600	30	Multiple
MTV4030-18	0.5	10	2400	30	Multiple
MTV4030-19	0.5	12	2200	30	Multiple
MTV4030-20	0.5	15	2000	30	Multiple
MTV4030-21	0.5	18	1800	30	Multiple
MTV4030-22	0.5	22	1600	30	Multiple
MTV4030-23	0.5	27	1400	30	Multiple
MTV4030-24	0.5	33	1400	30	Multiple
MTV4030-25	0.5	39	1200	30	Multiple
MTV4030-26	0.5	47	1000	30	Multiple
MTV4045-01	0.5	0.4	3000	45	Multiple
MTV4045-02	0.5	0.6	3000	45	Multiple
MTV4045-03	0.5	0.8	2800	45	Multiple
MTV4045-04	0.5	1	2800	45	Multiple
MTV4045-05	0.5	1.2	2600	45	Multiple
MTV4045-06	0.5	1.4	2400	45	Multiple
MTV4045-07	0.5	1.6	2400	45	Multiple
MTV4045-08	0.5	1.8	2300	45	Multiple
MTV4045-09	0.5	2.2	2200	45	Multiple
MTV4045-10	0.5	2.7	2200	45	Multiple
MTV4045-11	0.5	3.3	2100	45	Multiple
MTV4045-12	0.5	3.6	2000	45	Multiple
MTV4045-13	0.5	3.9	2000	45	Multiple
MTV4045-14	0.5	4.7	2000	45	Multiple
MTV4045-15	0.5	5.6	1900	45	Multiple
MTV4045-16	0.5	6.8	1800	45	Multiple
MTV4045-17	0.5	8.2	1700	45	Multiple
MTV4045-18	0.5	10	1600	45	Multiple
MTV4045-19	0.5	12	1500	45	Multiple
MTV4045-20	0.5	15	1400	45	Multiple
MTV4045-21	0.5	18	1300	45	Multiple
MTV4045-22	0.5	22	1200	45	Multiple
MTV4060-01	0.5	0.8	2100	60	Multiple
MTV4060-02	0.5	1	2100	60	Multiple
MTV4060-03	0.5	1.2	2100	60	Multiple
MTV4060-04	0.5	1.4	2000	60	Multiple
MTV4060-05	0.5	1.6	2000	60	Multiple
MTV4060-06	0.5	1.8	2000	60	Multiple
MTV4060-07	0.5	2.2	2000	60	Multiple
MTV4060-08	0.5	2.7	1900	60	Multiple
MTV4060-09	0.5	3.3	1800	60	Multiple
MTV4060-10	0.5	3.6	1700	60	Multiple
MTV4060-11	0.5	3.9	1700	60	Multiple
MTV4060-12	0.5	4.7	1600	60	Multiple
MTV4060-13	0.5	5.6	1500	60	Multiple
MTV4060-14	0.5	6.8	1400	60	Multiple
MTV4060-15	0.5	8.2	1300	60	Multiple
MTV4060-16	0.5	10	1200	60	Multiple
MTV4060-17	0.5	12	1100	60	Multiple
MTV4060-18	0.5	15	1000	60	Multiple

Detailed specifications can be found quickly on our website at macom.com by typing the part number into the search box. All specifications are subject to change.

Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MV1620	0.5	6.8	300	20	DO-7
MV1622	0.5	8.2	300	20	DO-7
MV1624	0.5	10	300	20	DO-7
MV1626	0.5	12	300	20	DO-7
MV1628	0.5	15	250	20	DO-7
MV1630	0.5	18	250	20	DO-7
MV1632	0.5	20	250	20	DO-7
MV1634	0.5	22	250	20	DO-7
MV1636	0.5	27	200	20	DO-7
MV1638	0.5	33	200	20	DO-7
MV1640	0.5	39	200	20	DO-7
MV1642	0.5	47	200	20	DO-7
MV1644	0.5	56	150	20	DO-7
MV1646	0.5	68	150	20	DO-7
MV1648	0.5	82	150	20	DO-7
MV1650	0.5	100	150	20	DO-7
MV1652	0.5	120	250	20	DO-7
MV1654	0.5	150	250	20	DO-7
MV1656	0.5	180	200	20	DO-7
MV1658	0.5	200	200	20	DO-7
MV1660	0.5	220	200	20	DO-7
MV1662	0.5	250	150	15	DO-7
MV1664	0.5	270	100	15	DO-7
MV1666	0.5	330	100	15	DO-7
MV2115	0.5	—	100	30	TO-92
MV830	0.5	15	30	30	Glass Axial Leaded
MV831	0.5	18	25	30	Glass Axial Leaded
MV832	0.5	22	25	30	Glass Axial Leaded
MV833	0.5	27	25	30	Glass Axial Leaded
MV834	0.5	33	20	30	Glass Axial Leaded
MV835	0.5	39	20	30	Glass Axial Leaded
MV836	0.5	47	15	30	Glass Axial Leaded
MV837	0.5	56	15	30	Glass Axial Leaded
MV838	0.5	68	15	30	Glass Axial Leaded
MV839	0.5	82	10	30	Glass Axial Leaded
MV840	0.5	100	10	30	Glass Axial Leaded
SMV2101	0.5	6.8	450	30	Plastic
SMV2102	0.5	8.2	450	30	Plastic
SMV2103	0.5	10	400	30	Plastic
SMV2104	0.5	12	400	30	Plastic
SMV2105	0.5	15	400	30	Plastic
SMV2106	0.5	18	350	30	Plastic
SMV2107	0.5	22	350	30	Plastic
SMV2108	0.5	27	300	30	Plastic
SMV2109	0.5	33	200	30	Plastic
SMV2110	0.5	39	150	30	Plastic
SMV2111	0.5	47	150	30	Plastic
SMV2112	0.5	56	150	30	Plastic
SMV2113	0.5	68	150	30	Plastic
SMV2114	0.5	82	100	30	Plastic
SMV2115	0.5	100	100	30	Plastic

Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MA46H071-1088	0.75	1	4500	20	ODS-1088
MA46H070-1056	0.75	0.6	4500	20	ODS-1056
MA46H072-1056	0.75	3	3000	20	ODS-1056
MA46H073-1056	0.75	5	2200	20	ODS-1056
MA46H071-1056	0.75	1	4500	20	ODS-1056
MGV075-08	0.75	0.3	4000	22	C01A
MGV075-09	0.75	0.4	4000	22	C01A
MGV075-10	0.75	0.5	3000	22	C01A
MGV075-11	0.75	0.7	3000	22	C01A
MGV075-12	0.75	0.8	3000	22	C01A
MGV075-13	0.75	1	3000	22	C01A
MGV075-14	0.75	1.2	3000	22	C01A
MGV075-15	0.75	1.5	3000	22	C01A
MGV075-16	0.75	1.8	3000	22	C01A
MGV075-17	0.75	2	3000	22	C01A
MAVR-011020-1411	0.9	0.025	3000	22	Pocket Tape and Gel Pack
MAVR-000250-0287AT	1	2.7	450	12	ODS-287
MAVR-000250-0287FT	1	2.7	450	12	ODS-287
MAVR-000250-11410T	1	2.7	450	12	ODS-1141
MAVR-000250-1146AT	1	2.7	450	12	ODS-1146
MAVR-000250-1146FT	1	2.7	450	12	ODS-1146
MAVR-000250-12790T	1	2.7	450	12	SC-79
MAVR-000120-14110G	1	0.35	3000	20	Flip Chip DIE
MAVR-000120-14110P	1	0.35	3000	20	Flip Chip DIE
MAVR-000403-0287AT	1	15	250	22	ODS-287
MAVR-000405-0287FT	1	22	175	22	ODS-287
MAVR-000407-0287FT	1	33	150	22	ODS-287
MAVR-011005-12790T	1	0.27	—	20	SC-79
MAVR-001340-11410T	1	9.2	600	12	ODS-1141
MAVR-000240-11410T	1	3.5	450	12	SOD323(2L)
MAVR-001320-1146FT	1	28.3	350	12	ODS-1146
MAVR-001350-1146FT	1	5.9	690	12	ODS-1146
MAVR-001330-1146FT	1	13.2	530	12	ODS-1146
MAVR-000146-12030W	1	0.06	15000	26	Flip Chip DIE
MAVR-001350-12790T	1	5.9	690	12	ODS-1279
MAVR-001230-12790T	1	4.7	1700	12	ODS-1279
MAVR-000350-11410T	1	6.2	400	12	ODS-1141
MAVR-000403-0287FT	1	15	250	22	ODS-287
MAVR-000340-11410T	1	9.5	350	12	ODS-1141
MAVR-001330-12790T	1	13.2	530	12	ODS-1279
MAVR-000404-0287FT	1	18	175	22	ODS-287
MAVR-001320-11410T	1	28.3	350	12	ODS-1141
MAVR-000407-0287AT	1	33	150	22	ODS-287
MAVR-001240-12790T	1	3.4	1200	12	ODS-1279
MAVR-000401-0287AT	1	10	250	22	ODS-287
MAVR-000230-11410T	1	5	400	12	ODS-1141
MAVR-000401-0287FT	1	10	250	22	ODS-287
MA4ST1231-1141T	1	4.7	1700	12	ODS-1141
MAVR-000409-0287FT	1	47	150	22	ODS-287
MAVR-001340-1146FT	1	9.2	600	12	ODS-1146

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Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MAVR-001330-11410T	1	13.2	530	12	ODS-1141
MAVR-000230-0287FT	1	5	400	12	ODS-287
MAVR-000120-12030W	1	0.35	3000	15	Flip Chip DIE
MA4ST1241-1141T	1	3.4	1200	12	ODS-1141
MAVR-001340-12790T	1	9.2	600	12	ODS-1279
MA46H146	1	0.06	15000	26	Flip Chip DIE
MA46452-134	1	1	3000	22	ODS-134 Die
MA46461-186	1	4.7	1500	22	ODS-186
MA46451-120	1	0.7	4000	22	ODS-120
MA46H120	1	0.35	3000	15	Flip Chip DIE
MAVR-000230-0287AT	1	5	400	12	ODS-287
MAVR-000240-0287AT	1	3.5	450	12	ODS-287
MAVR-000240-1146FT	1	3.5	450	12	ODS-1146
MAVR-000320-11410T	1	28	300	12	ODS-1141
MGV100-08	1	0.35	4000	22	C01A
MGV100-09	1	0.45	4000	22	C01A
MGV100-20	1	0.55	4000	22	C01A
MGV100-21	1	0.65	4000	22	C01A
MGV100-22	1	0.8	3000	22	C01A
MGV100-23	1	1	3000	22	C01A
MGV100-24	1	1.2	3000	22	C01A
MGV100-25	1	1.5	3000	22	C01A
MGV100-26	1	1.7	3000	22	C01A
MGV100-27	1	2	3000	22	C01A
MAVR-000202-12790T	1.25	3	2000	22	SC-79
MA46472-134	1.25	1	3000	22	ODS-134 Die
MA46480-134	1.25	3.8	2000	22	ODS-134 Die
MA46H200-1056	1.25	0.6	3000	22	ODS-1056
MA46474-134	1.25	1.5	3000	22	ODS-134 Die
MA46473-134	1.25	1.2	3000	22	ODS-134 Die
MA46475-134	1.25	1.8	3000	22	ODS-134 Die
MA46477-134	1.25	2.2	3000	22	ODS-134 Die
MA46483-186	1.25	6.8	1500	22	ODS-186
MA46473-186	1.25	1.2	3000	22	ODS-186
MA46485-120	1.25	10	1500	22	ODS-120
MA46585-1209	1.25	0.5	3000	18	ODS-1209 Die
MA46474-120	1.25	1.5	3000	22	ODS-120
MA46470-120	1.25	0.5	4000	22	ODS-120
MA46472-94	1.25	1	3000	22	ODS-94
MA46470-134	1.25	0.5	4000	22	ODS-134 Die
MA46H204-1088	1.25	10	1500	22	ODS-1088
MA46H202-1056	1.25	3	2000	22	ODS-1056
MA46477-186	1.25	2.2	3000	22	ODS-186
MA46H204-1056	1.25	10	1500	22	ODS-1056
MA46H201-1088	1.25	1	3000	22	ODS-1088
MA46H203-1088	1.25	5	1500	22	ODS-1088
MA46474-95	1.25	1.5	3000	22	ODS-95
MA46H203-1056	1.25	5	1500	22	ODS-1056
MA46H202-1088	1.25	3	2000	22	ODS-1088
MA46471-134	1.25	0.7	4000	22	ODS-134 Die

Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MA46474-94	1.25	1.5	3000	22	ODS-94
MA46580-1209	1.25	0.5	3000	18	ODS-1209 Die
MA46H201-1056	1.25	1	3000	22	ODS-1056
MGV125-08	1.25	0.3	4000	22	C01A
MGV125-09	1.25	0.4	4000	22	C01A
MGV125-20	1.25	0.5	4000	22	C01A
MGV125-21	1.25	0.7	4000	22	C01A
MGV125-22	1.25	1	3000	22	C01A
MGV125-23	1.25	1.2	3000	22	C01A
MGV125-24	1.25	1.5	3000	22	C01A
MGV125-25	1.25	1.7	3000	22	C01A
MGV125-26	1.25	2	3000	22	C01A
MAVR-000080-0287AT	1.3	24.8	150	12	ODS-287
MAVR-000081-0287FT	1.3	10.1	300	12	ODS-287
MAVR-000080-0287FT	1.3	24.8	150	12	ODS-287
MAVR-000081-0287AT	1.3	10.1	300	12	ODS-287
MAVR-000083-0287FT	1.3	5	450	12	ODS-287
MAVR-000083-0287AT	1.3	5	450	12	ODS-287
MAVR-000079-0287FT	1.3	54.1	80	12	ODS-287
MAVR-000082-0287AT	1.3	7.3	350	12	ODS-287
MA46416-134	1.5	1.8	2500	18	ODS-134 Die
MA46418-30	1.5	2.7	1800	18	ODS-30
MA46H501-1056	1.5	1	2500	18	ODS-1056
MA46H504-1056	1.5	10	1200	18	ODS-1056
MA46413-120	1.5	1	2500	18	ODS-120
MA46H500-1056	1.5	0.6	2500	18	ODS-1056
MA46418-120	1.5	2.7	1800	18	ODS-120
MA46H503	1.5	5	1200	18	ODS-1056
MHV500-11	—	2.5	2600	22	Multiple
MHV501-11	—	3.1	2600	22	Multiple
MHV502-11	—	3.7	2600	22	Multiple
MHV503-11	—	4.7	2600	22	Multiple
MHV504-11	—	5.6	2600	22	Multiple
MHV505-11	—	6.8	2600	22	Multiple
MHV506-11	—	8.4	2600	22	Multiple
MHV507-11	—	10	2600	22	Multiple
MHV508-11	—	12	2600	22	Multiple
MHV509-11	—	14.6	2600	22	Multiple
MHV510-11	—	17.4	2600	22	Multiple
MHV511-11	—	21	2600	22	Multiple
MHV512-11	—	25.4	2600	22	Multiple
MHV513-11	—	31	2600	22	Multiple
MSV1200-04-001	—	11.5	400	12	Plastic
MSV1200-07-001	—	28	300	12	Plastic
MSV1200-104-004	—	2.9	400	12	Plastic
MSV1200-107-004	—	28	300	12	Plastic
MSV1202-03-001	—	20	300	12	Plastic
MSV1202-08-001	—	50	200	12	Plastic
MSV1202-12-001	—	112.5	125	12	Plastic

Detailed specifications can be found quickly on our website at macom.com by typing the part number into the search box. All specifications are subject to change.

Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MSV1204-04-001	—	2.9	500	12	Plastic
MSV1204-05-001	—	5	500	12	Plastic
MSV1204-104-004	—	2.9	500	12	Plastic
MSV1204-105-004	—	5	500	12	Plastic
MSV1204-11-001	—	97.5	80	12	Plastic
MSV1204-12-001	—	46	150	12	Plastic
MSV1204-13-001	—	19.5	200	12	Plastic
MSV1204-14-001	—	15.25	300	12	Plastic
MSV1204-15-001	—	9.25	350	12	Plastic
MSV1204-199-004	—	12.5	250	12	Plastic
MSV1204-22-001	—	22.5	150	12	Plastic
MSV1204-23-001	—	11	200	12	Plastic
MSV1204-24-001	—	7	300	12	Plastic
MSV1204-25-001	—	4.9	350	12	Plastic
MSV1204-99-001	—	—	250	12	Plastic
SMV1401	—	550	200	12	Multiple
SMV1402	—	57	200	12	Multiple
SMV1403	—	175	200	12	Multiple
SMV1404	—	120	200	12	Multiple
SMV1405	—	250	200	12	Multiple
SMV1406	—	100	200	12	Multiple
SMV1407	—	63	200	12	Multiple
SMV1408	—	47	200	12	Multiple
SMV1409	—	33	200	12	Multiple
SMV1410	—	22	200	12	Multiple
SMV1411	—	15	200	12	Multiple
SMV1412	—	10	200	12	Multiple
SMV20411	—	100	80	12	Multiple
SMV20412	—	54	150	12	Multiple
SMV20413	—	22	200	12	Multiple
SMV20414	—	16	300	12	Multiple
SMV20415	—	11.3	350	12	Multiple
SMV20422	—	27	150	12	Multiple
SMV20423	—	13	200	12	Multiple
SMV20424	—	8	300	12	Multiple
SMV20425	—	5.6	350	12	Multiple
SMV30222	—	6	150	8	Multiple
SMV30223	—	12	120	8	Multiple
SMV30224	—	18	100	8	Multiple
SMV30225	—	24	95	8	Multiple
SMV30332	—	6.25	50	8	Plastic
SMV30333	—	12.5	35	8	Plastic

Multiplier Step Recovery Diodes

Part Number	Junction Capacitance min (pF)	Junction Capacitance max (pF)	Reverse Voltage (V)	Lifetime (ns)	Tt (ps)	Package
MMDB35-B11	0.2	0.2	16	4	35	B11
MMDB45-B11	0.2	0.2	25	8	40	B11
MMDB30-0402	0.3	0.3	14	4	30	402
MMDB30-0805-2	0.3	0.3	14	4	30	0805-2
MMDB30-B11	0.3	0.3	14	4	30	B11
MMDB35-0402	0.2	0.3	16	4	35	402
MMDB35-0805-2	0.2	0.3	16	4	35	0805-2
MMDB35-E28 / 28X	0.3	0.3	16	4	35	E28 / 28X
MMDB45-0402	0.2	0.3	25	8	40	402
MMDB45-0805-2	0.2	0.3	25	8	40	0805-2
MMDB45-E28 / 28X	0.2	0.3	25	8	40	E28 / 28X
MMDB30-E28 / 28X	0.3	0.4	14	4	30	E28 / 28X
MSD700	0.2	0.4	15	8	60	CS11
MSD700-12	0.2	0.4	15	8	60	CS-12
MSD710	0.2	0.4	20	20	11	CS11
MSD720	0.2	0.4	30	30	17	CS11
MSD730	0.2	0.4	40	40	21	CS11
MSD701	0.4	0.6	15	8	60	CS11
MSD711	0.4	0.6	20	20	11	CS11
MSD721	0.4	0.6	30	30	17	CS11
MSD731	0.4	0.6	40	40	21	CS11
MSD702	0.6	0.8	15	8	60	CS11
MSD712	0.6	0.8	20	20	11	CS11
MSD722	0.6	0.8	30	30	17	CS11
MSD732	0.6	0.8	40	40	21	CS11
MSD703	0.8	1	15	8	60	CS11
MSD713	0.8	1	20	20	11	CS11
MSD723	0.8	1	30	30	17	CS11
MSD733	0.8	1	40	40	21	CS11
MAVR-044769-12790T	0.8	1.2	30	50	150	ODS-1279
MA144769-287T	0.8	1.2	30	50	150	ODS-287
MAVR-044769-0287FT	0.8	1.2	30	50	150	ODS-287
MSD704	1	1.4	15	8	60	CS11
MSD714	1	1.4	20	20	11	CS11
MSD724	1	1.4	30	30	17	CS11
MSD734	1	1.4	40	40	21	CS11
MSD705	1.4	2	15	8	60	CS11
MSD715	1.4	2	20	20	11	CS11
MSD725	1.4	2	30	30	17	CS11
MSD735	1.4	2	40	40	21	CS11
MSD706	2	3	15	8	60	CS11
MSD716	2	3	20	20	11	CS11
MSD726	2	3	30	30	17	CS11
MSD736	2	3	40	40	21	CS11
MAVR-044767-0287AT	3	4.5	30	500	600	ODS-287

Multiplier Step Recovery Diodes (continued)

Part Number	Junction Capacitance min (pF)	Junction Capacitance max (pF)	Reverse Voltage (V)	Lifetime (ns)	Tt (ps)	Package
MMD0151-A15	0.7	0.8	15	15	100	A15
MMD0153-A15	—	—	15	25	95	A15
MMD0803-A15	—	—	250	70	275	A15
MMD0815-A15	—	—	135	50	180	A15
MMD0825-A15	—	—	50	45	130	A15
MMD0833-A15	—	—	15	25	90	A15
MMD0840-A15	—	—	20	15	75	A15
MMD805-0805-2	—	—	100	60	250	0805-2
MMD805-28X	—	—	100	60	250	28X
MMD805-C12	2.5	3.5	100	60	250	—
MMD805-E25	—	—	100	60	250	E25
MMD805-E28	—	—	100	60	250	E28
MMD805-H20	—	—	100	60	250	H20
MMD805-T86	—	—	100	60	250	T86
MMD805-T89	—	—	100	60	250	T89
MMD810-28X	—	—	70	50	200	28X
MMD810-C12	1.5	2.5	70	50	200	—
MMD810-E28	—	—	70	50	200	E28
MMD810-H20	—	—	70	50	200	H20
MMD810-T86	—	—	70	50	200	T86
MMD810-T89	—	—	70	50	200	T89
MMD820-0805-2	—	—	60	40	80	0805-2
MMD820-28X	—	—	60	40	80	28X
MMD820-C12	1	1.7	60	40	80	—
MMD820-E28	—	—	60	40	80	E28
MMD820-H20	—	—	60	40	80	H20
MMD820-T86	—	—	60	40	80	T86
MMD830-0805-2	—	—	0	25	60	0805-2
MMD830-28X	—	—	0	25	60	28X
MMD830-C11	0.5	1	30	25	60	—
MMD830-E28	—	—	30	25	60	E28
MMD830-H20	—	—	30	25	60	H20
MMD830-T86	—	30	25	60	T86	
MMD832-0805-2	—	—	15	20	60	0805-2
MMD832-28X	—	—	5	20	60	28X
MMD832-C11	0.4	0.8	15	20	60	—
MMD832-E28	—	—	15	20	60	E28
MMD832-H20	—	—	15	20	60	H20
MMD832-T86	—	—	15	20	60	T86
MMD835-0805-2	—	—	20	15	50	0805-2
MMD835-28X	—	—	20	15	50	28X
MMD835-C11	0.3	0.7	20	15	60	—
MMD835-E28	—	—	20	15	50	E28
MMD835-H20	—	—	20	15	50	H20
MMD835-T86	—	—	20	15	50	T86
MMD837-28X	—	—	10	20	50	28X
MMD837-805-2	—	—	10	20	50	805-2

Multiplier Step Recovery Diodes (continued)

Part Number	Junction Capacitance min (pF)	Junction Capacitance max (pF)	Reverse Voltage (V)	Lifetime (ns)	Tt (ps)	Package
MMD837-C11	0.2	0.4	10	20	60	—
MMD837-E28	—	—	10	20	50	E28
MMD837-H27	—	—	10	20	50	H27
MMD837-T86	—	—	10	20	50	T86
MMD840-0805-2	—	—	15	15	50	0805-2
MMD840-28X	—	—	15	15	50	28X
MMD840-C11	0.2	0.4	15	15	60	—
MMD840-E28	—	—	15	15	50	E28
MMD840-H27	—	—	15	15	50	H27
MMD840-T86	—	—	15	15	50	T86
MMDB30-28X	—	—	4	14	30	28X
MMDB30-E28	—	—	4	14	30	E28
MMDB30-T86	—	—	4	14	30	0805-2
MMDB35-28X	—	—	4	16	35	28X
MMDB35-402	—	—	4	16	35	402
MMDB35-E28	—	—	4	16	35	E28
MMDB45-28X	—	—	8	25	45	28X
MMDB45-402	—	—	8	25	45	402
MMDB45-E28	—	—	8	25	45	E28
SMMD805-SOD323	2.5	3.5	100	60	250	SOD323
SMMD805-SOT23-0S	2.5	3.5	100	60	250	SOT23 (-0S, -1S)
SMMD805-SOT23-1S	2.5	3.5	100	60	250	SOT23 (-0S, -1S)
SMMD810-SOD323	1.5	2.5	70	50	200	SOD323
SMMD810-SOT23-0S	1.5	2.5	70	50	200	SOT23 (-0S, -1S)
SMMD810-SOT23-1S	1.5	2.5	70	50	200	SOT23 (-0S, -1S)
SMMD820-SOD323	1	1.7	60	40	110	SOD323
SMMD820-SOT23-0S	1	1.7	60	40	110	SOT23 (-0S, -1S)
SMMD820-SOT23-1S	1	1.7	60	40	110	SOT23 (-0S, -1S)
SMMD830-SOD323	0.5	1	30	25	90	SOD323
SMMD830-SOT23-0S	0.5	1	30	25	90	SOT23 (-0S, -1S)
SMMD830-SOT23-1S	0.5	1	30	25	90	SOT23 (-0S, -1S)
SMMD832-SOD323	0.4	0.8	20	20	85	SOD323
SMMD832-SOT23-0S	0.4	0.8	20	20	85	SOT23 (-0S, -1S)
SMMD832-SOT23-1S	0.4	0.8	20	20	85	SOT23 (-0S, -1S)
SMMD835-SOD323	0.3	0.7	15	20	80	SOD323
SMMD835-SOT23-0S	0.3	0.7	15	20	80	SOT23 (-0S, -1S)
SMMD835-SOT23-1S	0.3	0.7	15	20	80	SOT23 (-0S, -1S)
SMMD837-SOD323	0.2	0.4	12	20	75	SOD323
SMMD837-SOT23-0S	0.2	0.4	12	20	75	SOT23 (-0S, -1S)
SMMD837-SOT23-1S	0.2	0.4	12	20	75	SOT23 (-0S, -1S)
SMMD840-SOD323	0.2	0.4	10	15	70	SOD323
SMMD840-SOT23-0S	0.2	0.4	10	15	70	SOT23 (-0S, -1S)

PIN Switch and Attenuator Diodes

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MA4PH611	1	500	10	1	0.4	5000	1000	ODS-1091
MA4PI450NM-1091T	1	300	30	1.8	5	8000	50	ODS-1091
MADP-011048	5	400	51	3	0.5	200	100	4mm HQFN-8
MA4P1200NM-401T	5	500	5.5	1.2	0.5	8000	50	ODS-401
MA4P1250NM-1072T	5	500	18	0.8	0.5	8000	50	ODS-1072
MA4PK3004	DC	500	50	4	0.2	65000	3000	ODS-1075
MA4P607-212	1	500	37.5	1.3	0.4	12000	1000	ODS-212 Die
MA4P506-255	1	500	13.6	0.95	0.3	3000	500	ODS-255
MA4P606-36	1	500	20	0.99	0.7	4000	1000	ODS-36
MA4PK3001	DC	500	75	4	0.2	65000	3000	ODS-1084
MA4P607-43	1	500	25	2	0.4	5000	100	ODS-43
MA4P504-255	1	500	7.5	0.4	0.6	1000	500	ODS-255
MA4P606-258	1	500	20	0.98	0.7	4000	1000	ODS-258
MA4PK3000	DC	500	75	4	0.2	65000	3000	ODS-1073
MA4PK2001	DC	500	50	3.2	0.2	30000	2000	ODS-1082
MA4P505-255	1	500	10.7	0.55	0.5	2000	500	ODS-255
MA4PK3003	DC	500	50	4	0.2	65000	3000	ODS-1085
MA4P4002B-402	DC	500	12	2.2	0.5	20000	200	ODS-402
MA4PK3002	DC	500	75	4	0.2	65000	3000	ODS-1074
MA4P4006B-402	DC	500	12	2.2	0.5	20000	600	ODS-402
MA4P606-30	1	500	15	0.8	0.7	4000	1000	ODS-30
MA4PK2000	DC	500	50	3.2	0.2	30000	2000	ODS-1027
MA4PK2002	DC	500	50	3.2	0.2	30000	2000	ODS-1048
MA4PK2003	DC	500	37.5	3.2	0.2	30000	2000	ODS-1080
MA4PK2004	DC	500	37.5	3.2	0.2	30000	2000	ODS-1038
MA4P604-255	1	500	15	0.6	1	3000	1000	ODS-255
MA4P709-150	DC	500	75	3.3	0.3	10000	1500	ODS-150
MA4P4301B-402	DC	500	10	2	1	15000	100	ODS-402
MA4PI200-401T	5	500	5.5	1.2	0.5	8000	50	ODS-401
MA4P4001B-402	DC	500	12	2.2	0.5	20000	100	ODS-402
MA4P607-296	1	500	25	2.35	0.4	5000	1000	ODS-296
MA4P4302B-402	DC	500	10	2	1	15000	200	ODS-402
MA4P504-186	1	500	7.5	0.4	0.6	1000	500	ODS-186
MA4P504-30	1	500	7.5	0.4	0.6	1000	500	ODS-30
MA4P506-258	1	500	13.6	0.95	0.3	3000	500	ODS-258
MA4P506-30	1	500	13.6	0.95	0.3	3000	500	ODS-30
MA4P506-31	1	500	13.6	0.95	0.3	3000	500	ODS-31
MADP-000015-000030	1	500	15	0.55	0.4	2000	500	ODS-30
MSWSER-070-10	50	800	2	0.9	0.2	5500	500	3023
MSWSER-100-05	50	800	2	0.65	0.3	4000	500	3023
MA4P7435NM-1091T	DC	1000	50	2.5	0.2	14000	1100	ODS-1091
MA4P7002B-401T	1	1000	5	0.7	0.9	5000	200	ODS-401
MA4P7441F-1091T	DC	1000	30	2.2	0.5	18000	100	ODS-1091
MA4P7446F-1091T	DC	1000	25	2.2	0.5	19000	600	ODS-1091
MA4PI450-1091T	DC	1000	30	1.8	0.5	8000	50	ODS-1091
1N5719-54	1	1000	0.3	0.35	1.5	3000	100	ODS-54
MA4P4001F-1091T	DC	1000	7.5	2.2	0.5	20000	100	ODS-1091
MA4P4002F-1091T	DC	1000	7.5	2.2	0.5	20000	200	ODS-1091
MA47266-146	1	1000	0.5	1.5	0.6	4000	200	ODS-146

PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MA4P606-4	1	1000	1	0.7	0.7	4000	1000	ODS-4
MA4P4301F-1091T	DC	1000	5	2	1	15000	100	ODS-1091
MA4P4006F-1091T	DC	1000	7.5	2.2	0.5	20000	600	ODS-1091
MA4PH239-1079T	DC	1000	1	0.8	6	2000	200	ODS-1079
MA47047-54	1	1000	0.3	0.3	1.5	1000	200	ODS-54
MA4P7102B-401T	1	1000	6	1	0.5	2500	200	ODS-401
MA4P7104B-401T	1	1000	6	1	0.5	2500	400	ODS-401
MA4P606-131	1	1000	15	0.6	0.7	4000	1000	ODS-131 Die
MA4P7101F-1072T	1	1000	11.5	1	0.5	2500	100	ODS-1072
MA44781	10	1000	1.7	1.5	0.8	200	60	ODS-1134
MA4PH237-1079T	1	1000	1	1.5	0.6	3000	200	ODS-1079
MA47208	1	1000	15	1.3	0.3	1300	1000	ODS-114
MA45471	10	1000	1.7	3.3		200	75	ODS-1134
MA4P7006B-401T	1	1000	5	0.7	0.9	5000	600	ODS-401
MA4P7101B-401	1	1000	6	1	0.5	2500	100	ODS-401
MA4PH238-1072T	DC	1000	1	0.5	6	2000	200	Ceramic SMT
MADP-000504-10720T	DC	1000	2.9	0.5	0.6	1000	500	ODS-1072
MADP-007417-10720T	DC	1000	12	0.7	0.8	6500	1000	ODS-1072
MEST2G-150-10-CM30	1	1000	3	1	0.2	3200	500	CM30
MSWSE-020-05	10	1000	0.5	0.62	0.3	600	250	503
MSWSE-020-10	10	1000	0.75	0.37	0.8	490	250	503
MSWSE-050-10	1	1000	2.5	0.53	0.4	3200	500	0805P
MADP-011034-10720T	10	1500	6	1	0.4	300	150	ODS-1072
MADP-000404-10720T	100	1500	7.5	0.6	0.7	100	250	ODS-1072
MADP-000488-13740W	100	1500	15	0.16	1.6	4000	900	ODS-1374 Die
MADP-000135-01340W	100	1500	50	0.15	1.2	440	200	ODS-134 Die
MADP-000235-10720T	DC	1500	7.5	1.2	0.5	300	35	ODS-1072
MADP-000234-10720T	DC	1500	3	1.7	0.3	3000	500	ODS-1072
MA4P7418-1072T	DC	1500	11.5	0.8	1.2	7000	1100	ODS-1072
MA4P7470F-1072T	DC	1500	12	0.7	0.8	6500	800	ODS-1072
MA4P7452F-1072T	DC	1500	10	0.7	0.9	9000	150	ODS-1072
MA4P7461F-1072T	DC	1500	8	1	0.5	6000	100	ODS-1072
MA4P7464F-1072T	DC	1500	7.5	0.8	0.5	4500	400	ODS-1072
MA4P505-1072T	DC	1500	15	0.7	0.5	2000	500	ODS-1072
MA4P7002F-1072T	DC	1500	10	0.7	0.9	5000	200	ODS-1072
MA4P504-1072T	DC	1500	7.5	0.55	0.6	1000	500	ODS-1072
MA4P7006F-1072T	DC	1500	10	0.7	0.9	5000	600	ODS-1072
MA4P7102F-1072T	DC	1500	11.5	1	0.5	2500	200	ODS-1072
MA4P7104F-1072T	DC	1500	11.5	1	0.5	2500	400	ODS-1072
MA4P506-1072T	DC	1500	15	1	0.3	3000	500	ODS-1072
MA4P7001F-1072T	DC	1500	10	0.7	0.9	5000	100	ODS-1072
MA4P1250-1072T	DC	1500	18	0.9	0.5	8000	50	ODS-1072
MA4PH235-1072T	1	1500	1	1.2	0.5	300	35	ODS-1072
MEST2G-050-80	1	1500	2.5	0.28	0.5	2200	500	2615
MADP-009989	30	1500	4	1.2	0.3	6500	75	SMT and Axial Lead
MADP-000208-13180W	30	1800	2.6	0.81	0.4	500	90	ODS-1318 SURMOUNT™
MADP-011037-13900T	50	2000	5	0.3	0.6	1000	400	3mm HQFN-16
MADP-000165-01340W	100	2000	50	0.06	2.5	200	200	ODS-134 Die

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PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MADP-042508-130600	50	2000	1.3	0.6	0.9	310	100	ODS-1306 Die
MADP-042505-130600	50	2000	1.3	0.6	0.8	210	80	ODS-1306 Die
MA4P404-258	5	2000	7.5	0.58	0.7	1000	250	ODS-258
MA4P404-30	5	2000	7.5	0.4	0.6	1000	250	ODS-30
MA4PH236-1072T	10	2000	1	0.5	3	1500	600	ODS-1072
MA47110-139T	DC	2000	0.25	0.55	6	2500	200	ODS-139
MA47120-54T	DC	2000	0.25	1	0.5	3000	35	ODS-54
MA47123-139	DC	2000	0.25	0.5	3	1000	200	ODS-139
MA47600-54	DC	2000	0.25	0.3	6	2000	200	ODS-54
MA4P203-54	DC	2000	0.25	0.25	1.5	100	100	ODS-54
MA4P404-54	DC	2000	0.25	0.3	0.7	1000	250	ODS-54
MA4P504-4	DC	2000	0.25	0.35	0.6	1000	500	ODS-4
MA4P505-4	DC	2000	0.25	0.5	0.6	1000	500	ODS-4
MA4P506-4	DC	2000	0.25	0.85	0.3	2500	500	ODS-4
MA4PH151-139T	DC	2000	0.25	1.2	0.6	1000	100	ODS-139
MA4PH301	DC	2000	0.25	1.1	1	4000	200	ODS-146
MA4PH401-54T	DC	2000	0.25	0.3	1.5	1000	50	ODS-54
MEST2G-150-10-CM32	1	2000	150	0.5	0.5	3000	500	CM32
MSWSE-044-10	1	2000	40	0.3	0.5	1200	300	0805P
MA4P7433ST-1146T	25	2500	0.2	0.47	1.5	200	75	SC-70 (3L)
MADP-007448-0287DT	25	2500	0.3	0.37	2	400	100	SOT-23
MADP-007167-0287FT	1	2500	0.3	0.42	16	3000	200	SOT-23
MADP-007167-0287BT	1	2500	0.3	0.42	16	3000	200	SOT-23
MADP-007436-0287DT	25	2500	0.2	1.12	0.5	200	75	SOT-23
MADP-007433-0287DT	25	2500	0.3	0.42	1.5	200	75	SOT-23
MADP-007167-11410T	1	2500	0.2	0.42	16	3000	200	SOD-323 (2L)
MA4P7455CA-287T	5	2500	0.3	0.35	3	1000	100	SOT-23
MADP-007167-0287GT	1	2500	0.3	0.42	16	3000	200	SOT-24
MA4P7447ST-287T	15	2500	0.3	1.32	0.6	1000	100	SOT-25
MA4P7436CK-287T	25	2500	0.3	1.12	0.5	200	75	SOT-26
MA4P7455CA-1146T	5	2500	2	0.47	3	1000	100	SC70 (3L)
MADP-007448-12790T	25	2500	0.2	0.35	2	400	100	SC-79
MADP-007167-0287DT	1	2500	0.3	0.42	16	3000	200	SOT-23
MA4P7436ST-287T	25	2500	0.3	1.12	0.5	200	75	SOT-23
MA4P7447CA-287T	15	2500	0.3	1.32	0.6	1000	100	SOT-23
MADP-007448-0287BT	25	2500	0.3	0.37	2	400	100	SOT-23
MADP-007448-1146GT	25	2500	0.2	0.37	2	400	100	SC70 (3L)
MA4P7455-287T	5	2500	0.3	0.47	3	1000	100	SOT-23
MADP-007455-0287DT	5	2500	0.3	0.47	3	400	100	SOT-23
MA4P7455ST-287T	5	2500	0.3	0.47	3	1000	100	SOT-23
MA4P7436-1141T	25	2500	0.2	1.11	0.5	200	75	SOD-323 (2L)
MADP-007436-1146DT	25	2500	0.2	1.12	0.5	200	75	SOT-323
MA4P7433ST-287T	25	2500	0.3	0.47	1.5	200	75	SOT-23
MA4P7447-1141T	15	2500	0.2	1.31	0.6	1000	100	SOD-323 (2L)
MA4P7433CK-287T	25	2500	0.3	0.47	1.5	200	75	SOT-23
MA4P7433-287T	25	2500	0.3	0.47	1.5	200	75	SOT-23
MA4P7455CK-1146T	5	2500	0.2	0.47	3	1000	100	SC70 (3L)
MADP-007155-0287DT	15	2500	0.3	1.32	0.6	1000	100	SOT-23
MA4P7447-287T	15	2500	0.3	1.32	0.6	1000	100	SOT-23

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PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MA4P7455CK-287T	5	2500	0.3	0.35	3	1000	100	SOT-23
MA4P7433-1141T	25	2500	0.2	0.46	1.5	200	75	SOD-323 (2L)
MA4P7436-287T	25	2500	0.3	1.12	0.5	200	75	SOT-23
MA4P7433CA-287T	25	2500	0.3	0.47	1.5	200	75	SOT-23
MA4P7447CK-287T	15	2500	0.3	1.32	0.6	1000	100	SOT-23
MA4P7436CK-1146T	25	2500	0.2	1.12	0.5	200	75	SC70 (3L)
MA4P604-258	1	2500	15	0.68	1	3000	1000	ODS-258
MA4P604-30	1	2500	15	0.5	1	3000	1000	ODS-30
MA4P7433CA-1146T	25	2500	0.2	0.47	1.5	200	75	SC-70 (3L)
MA4P7433CK-1146T	25	2500	0.2	0.47	1.5	200	75	SC-70 (3L)
MA4P7436-1146T	25	2500	0.2	1.12	0.5	200	75	SC-70 (3L)
MA4P7436CA-1146T	25	2500	0.2	1.12	0.5	200	75	SOT-323
MA4P7436CA-287T	25	2500	0.3	1.12	0.5	200	75	SOT-23
MA4P7436ST-1146T	25	2500	0.2	1.12	0.5	200	75	SC-70 (3L)
MA4P7455ST-1146T	5	2500	0.3	0.47	3	1000	100	SC-70 (3L)
MADP-007167-0287AT	1	2500	0.3	0.42	16	3000	200	SOT-23
MADP-007433-1146DT	25	2500	0.3	0.42	1.5	200	75	SC70 (3L)
MADP-007448-0287AT	25	2500	0.3	0.37	2	400	100	SOT-23
MADP-007448-0287FT	25	2500	0.3	0.37	2	400	100	SOT-23
MADP-007448-0287GT	25	2500	0.3	0.37	2	400	100	SOT-23
MADP-007448-11410T	25	2500	0.2	0.36	2	400	100	SOD-323 (2L)
MADP-007448-1146BT	25	2500	0.2	0.37	2	400	100	SC70 (3L)
MADP-007455-1146DT	5	2500	0.2	0.42	3	1000	100	SC70 (3L)
MADP-007448-1146DT	25	2500	—	0.25	2	—	100	SMT
MEST2G-050-45	1	2500	2.5	0.18	0.4	1200	500	2615
MSWSE-010-15	10	3000	0.75	0.21	0.8	500	200	503
MEST2G-100-20-CM33	1	2600	2.5	—	—	2000	500	CM33
MEST2G-160-10-CM33	1	1000	7.5	—	—	5000	500	CM33
MADP-010633-13920T	25	3000	6	0.4	0.6	1000	500	ODS-132
MADP-010631-13920T	25	3000	5	1	0.5	200	100	ODS-1392
MADP-010630-13920T	25	3000	2	0.35	1.5	200	100	ODS-1392
MA4SPS422	50	3000	1.8	0.34	3.1	10000	200	SURMOUNT™ Die
MSWSE-010-15S	1	3000	0.75	0.17	0.8	650	200	0402P
MSWSE-010-16S	1	3000	0.75	0.15	0.9	1000	250	0402P
MSWSE-040-10	1	3000	0.4	0.12	0.6	700	250	0805P
MSWSE-050-17	1	3000	0.4	0.2	0.7	2000	500	0805P
MADP-000506-014400	1	4000	10	0.7	0.3	100	500	ODS-144
MADP-007433-0287HT	25	4000	0.3	0.42	1.5	200	75	SOT-23
MADP-007433-12790T	25	4000	0.2	0.4	1.5	200	75	SC-79
MADP-042405-130600	50	4000	1.3	0.27	0.8	210	80	ODS-1306 Die
MADP-007436-12790T	25	4000	0.2	1.1	0.5	200	75	SC-79
MADP-007455-12790T	5	4000	0.2	0.45	3	1000	100	SC-79
MA4P505-36	1	4000	15	0.55	0.5	2000	500	ODS-36
MA4P303-186	20	4000	0.3	0.35	1.5	200	200	ODS-186
MA4P203-30	30	4000	5	0.35	1.5	100	100	ODS-30
MA4P203-1056	30	4000	0.3	0.35	1.5	100	100	ODS-1056
MA4P303-120	20	4000	5	0.35	1.5	200	200	ODS-120
MA4P202-276	50	4000	0.3	0.25	2.5	60	100	ODS-276
MA4P506-131	1	4000	13.6	0.7	0.3	3000	500	ODS-131 Die

PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MA4P303-1088	20	4000	0.3	0.47	1.5	200	200	ODS-1088
MA4P202-120	50	4000	0.3	0.25	2.5	60	100	ODS-120
MA4P7455-1225	10	4000	—	0.47	1.4	1000	100	SOT-25
MADP-007167-0287HT	1	4000	0.3	0.42	16	3000	200	SOT-23
MADP-042408-130600	50	4000	1.5	0.36	0.6	380	100	ODS-1306 Die
MEST2G-025-10	1	4000	2	0.22	1.3	2000	200	CM32
MADP-007437-0287BT	5	5000	0.3	0.42	6	2000	200	SOT-23
MADP-007437-0287DT	5	5000	0.3	0.42	6	2000	200	SOT-23
MADP-007438-0287FT	5	5000	0.2	0.42	10	3000	200	SC70 (3L)
MADP-007438-0287DT	5	5000	0.3	0.42	10	3000	200	SC70 (3L)
MA4P7437-1141T	5	5000	0.2	0.46	6	2000	200	SOD-323 (2L)
MADP-007438-0287BT	5	5000	0.3	0.42	10	3000	200	SC70 (3L)
MA4P7437-287T	5	5000	0.3	0.47	6	2000	200	SOT-23
MADP-007437-0287FT	5	5000	0.3	0.42	6	2000	200	SOT-23
MA4P7455-1141T	5	5000	0.2	0.46	3	1000	100	SOD-323 (2L)
MA4P7438-287T	5	5000	0.2	0.47	10	3000	200	SC70 (3L)
MA4P7438-1141T	5	5000	0.2	0.46	10	3000	200	SOD-323 (2L)
MA4P7437CA-287T	5	5000	0.3	0.47	6	2000	200	SOT-23
MA4P7438CA-287T	5	5000	0.3	0.47	10	3000	200	SC70 (3L)
MADP-042308-130600	50	6000	1	0.14	1.3	280	100	ODS-1306 Die
MADP-008120-12790T	10	6000	0.2	0.15	2.5	200	100	SC-79
MADP-042305-130600	50	6000	1	0.14	1.3	180	80	ODS-1306 Die
MA4SPS421	50	6000	1.8	0.13	6.2	5000	200	SURMOUNT™ Die
MA4P505-131	1	6000	10.7	0.35	0.5	2000	500	ODS-131 Die
MADP-017015-1314	1	6000	5	0.32	0.7	1300	115	ODS-1314 Die
MADP-017025-1314	1	6000	5	0.23	1	2300	1335	ODS-1314 Die
MADP-030015-13140P	1	6000	11.5	0.78	0.5	1600	115	ODS-1314 Die
MADP-030025-1314	1	6000	11.5	0.5	0.7	2800	135	ODS-1314 Die
MEST2G-020-15	100	6000	1	0.08	1.2	50	100	2012
MSWSE-005-10S	10	6000	0.5	0.08	2	180	200	402
MSWSE-005-15	10	6000	0.4	0.11	2	180	200	503
MSWSH-020-30	10	6000	0.5	0.13	0.6	600	100	2012
MSWSH-040-30	1	6000	1	0.42	0.4	1100	500	2012
MSWSH-100-30	1	6000	2.5	0.4	0.4	3400	700	CM22
MA4P504-144	1	8000	7.5	0.4	0.6	1000	500	ODS-144
MA4P604-131	1	8000	15	0.3	1	3000	1000	ODS-131 Die
MA47222	1	8000	3.8	0.4	1.6	160	150	ODS-144
MA47223	1	8000	7.5	0.4	0.6	1000	500	ODS-144
MA47418-134	5	10000	6	0.15	3	1000	200	ODS-134 Die
MA47416-132	DC	10000	5	0.15	6	2000	200	ODS-132 Die
MA4P504-132	1	10000	7.5	0.2	0.6	1000	500	ODS-132 Die
MA4P404-132	5	10000	7.5	0.2	0.7	600	250	ODS-132 Die
MEST2G-010-20	100	10000	0.75	0.04	1.5	50	125	2012
MEST2G-080-25	1	10000	2	0.09	1	1550	500	CM27
MEST2G-150-20	1	10000	3	0.19	1.8	1800	500	CM26
MSAT-N25	1	10000	2	—	1.5	3000	200	2012
MSAT-P25	1	10000	2	—	1.5	3000	200	2012
MSWSHB-020-30	1	10000	1	0.13	—	4000	200	2012
MSWSHC-040-40	1	10000	1	0.42	—	3000	300	2615

PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MADP-011028-14150T	50	12000	4.3	0.24	3.4	2000	200	1.5x1.2 mm TDFN-6
MADP-011027-14150T	50	12000	3.3	0.24	1.9	1000	100	1.5x1.2 mm TDFN-6
MADP-011029-14150T	50	12000	7.5	0.31	1.5	1000	400	1.5x1.2 mm TDFN-6
MADP-042908-130600	50	16000	0.8	0.06	3.1	230	100	ODS-1306 Die
MADP-042905-130600	50	16000	0.8	0.06	3.1	140	80	ODS-1306 Die
MADP-000402-12530G	50	18000	1	0.04	5	200	1000	ODS-1253 Die
MADP-000402-12530P	50	18000	1	0.04	4.5	200	70	ODS-1253 Die
MADP-064908-131000	50	18000	1	0.05	5	200	100	ODS-1310 Die
MA4PBL027	100	18000	0.2	0.03	4	150	90	Beam Lead Die
MA4P7493-134	50	18000	2.5	0.05	1.8	80	150	ODS-134 Die
MA4SPS402	50	18000	1	0.04	5	200	100	ODS-1253 Die
MA4PI61-134	100	18000	2.3	0.1	1.5	150	100	ODS-134 Die
MA4P203-134	30	18000	5	0.15	1.5	100	100	ODS-134 Die
MA4P303-134	20	18000	5	0.15	1.5	200	200	ODS-134 Die
MA4FCP305	100	24000	0.2	0.06	2.1	25	40	ODS-1269 Die
MA4SPS552	50	26000	1	0.06	1.7	2500	200	ODS-1270
MA4SPS502	1	26000	35	0.14	2.4	2800	275	ODS-1270
MA4SPS302	1	26000	0.8	0.4	1.3	460	100	SURMOUNT™ Die
MSWSH-020-24	100	26000	2	—	—	600	200	2020
MADP-001907-13050P	100	30000	0.5	0.03	4.2	4	50	Flip Chip Die
MADP-000907-14020P	100	30000	0.1	0.03	5.2	4	45	Flip Chip Die
MADP-000907-14020W	100	30000	0.1	0.03	5.2	4	45	Flip Chip Die
MA4AGP907	100	30000	0.1	0.03	5.2	4	50	Flip Chip Die
MA4FCP300	100	30000	0.2	0.03	2.6	140	70	ODS-1269 Die
MA4GP907	100	30000	0.3	0.03	4.2	2	45	Flip Chip Die
MA4AGFCP910	100	40000	0.1	0.02	5.2	4	75	Flip Chip Die
MA4AGBLP912	100	40000	0.1	0.02	4	5	50	Beam Lead Die
MA4FCP200	100	40000	0.1	0.02	2.8	100	70	ODS-1264 Die
MA4GP905	100	40000	0.1	0.03	3	2	50	Die
MA4GP022	100	40000	0.3	0.15	1	20	50	ODS-277
MA4GP030	100	40000	0.3	0.06	2	25	100	ODS-277
MEST2GFC-010-25	100	40000	10	0.04	2	85	100	Ch
MMGPN0515-C12	100	18000	—	0.15	1	9	68	C12
MGPN0518-C12	100	12000	—	0.18	1	9	68	C12
MGPN1503-C01A	100	26000	—	0.03	3	10	205	C01A
MGPN1504-C01A	100	26000	—	0.04	3	10	205	C01A
MGPN1506-C12	100	18000	—	0.06	2	20	205	C12
MMP7010	200	14000	—	0.1	1	10	25	Various
MMP7011	200	12000	—	0.15	0.8	10	25	Various
MMP7012	200	6000	—	0.2	0.7	10	25	Various
MMP7013	200	4000	—	0.25	0.6	10	25	Various
MMP7020	1	18000	—	0.05	1.2	60	70	Various
MMP7021	1	14000	—	0.1	1	60	70	Various
MMP7022	1	10000	—	0.15	0.9	60	70	Various
MMP7023	1	8000	—	0.2	0.7	60	70	Various
MMP7024	1	6000	—	0.25	0.5	60	70	Various
MMP7025	1	18000	—	0.03	1.9	100	100	Various
MMP7026	1	14000	—	0.07	1.5	100	100	Various

PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MMP7027	1	14000	—	0.1	1.2	100	100	Various
MMP7028	1	10000	—	0.15	1	100	100	Various
MMP7029	1	8000	—	0.2	0.9	100	100	Various
MMP7030	1	5000	—	0.3	0.8	100	100	Various
MMP7031	1	18000	—	0.03	3	225	200	Various
MMP7032	1	14000	—	0.07	2.2	225	200	Various
MMP7033	1	14000	—	0.1	1.6	225	200	Various
MMP7034	1	10000	—	0.15	1	225	200	Various
MMP7035	1	8000	—	0.2	0.8	225	200	Various
MMP7036	1	5000	—	0.3	0.7	225	200	Various
MMP7040	1	15000	—	0.03	2.6	400	200	Various
MMP7041	1	12000	—	0.07	1.5	400	200	Various
MMP7042	1	10000	—	0.1	1.3	400	200	Various
MMP7043	1	8000	—	0.15	1	400	200	Various
MMP7044	1	4000	—	0.2	0.8	400	200	Various
MMP7045	1	2000	—	0.3	0.7	400	200	Various
MMP7046	1	1200	—	0.5	0.6	400	200	Various
MMP7047	1	12000	—	0.03	2.6	600	200	Various
MMP7048	1	6000	—	0.07	1.6	600	200	Various
MMP7049	1	8000	—	0.1	1.2	600	200	Various
MMP7050	1	6000	—	0.15	0.9	600	200	Various
MMP7051	1	2500	—	0.2	0.8	600	200	Various
MMP7052	1	1500	—	0.3	0.7	600	200	—
MMP7053	1	1200	—	0.5	0.6	600	200	Various
MMP7060	0.5	16000	—	0.05	2	1	250	Various
MMP7061	0.5	14000	—	0.08	1.5	1	250	Various
MMP7062	0.5	12000	—	0.1	1.2	1	250	various
MMP7063	0.5	8000	—	0.2	1	1	250	Various
MMP7064	0.5	6000	—	0.3	0.8	2	250	Various
MMP7065	0.5	14000	—	0.08	1.5	2	500	Various
MMP7066	0.5	12000	—	0.1	1.2	2	500	Various
MMP7067	0.5	8000	—	0.2	1	2	500	Various
MMP7068	0.5	4000	—	0.3	0.8	2	500	Various
MMP7069	0.5	1000	—	0.5	0.7	2	500	Various
MMP7070	0.1	70	—	2.2	0.5	6	100	Various
MMP7070-127-4	0.1	70	5	2.2	0.5	6	100	CS127-4
MMP7070-128-4	0.1	70	5	2.2	0.5	6	100	CS128-4
MMP7071	0.1	100	—	2	1	8	100	Various
MMP7071-127-4	0.1	100	5	2	1	8	100	CS127-4
MMP7071-128-4	0.1	100	5	2	1	8	100	CS128-4
MMP7072	0.1	150	—	0.7	0.8	3	100	Various
MMP7072-127-1	0.1	150	5	0.7	0.8	3	100	CS127-1
MMP7072-128-1	0.1	150	5	0.7	0.8	3	100	CS128-1
MMP7073	0.1	100	—	1	0.5	3	100	Various
MMP7073-127-1	0.1	100	5	1	0.5	3	100	CS127-1
MMP7073-128-1	0.1	100	5	1	0.5	3	100	CS128-1
MMP7074	0.1	70	—	2.2	0.5	6	200	Various
MMP7074-127-4	0.1	70	5	2.2	0.5	6	200	CS127-4
MMP7074-128-4	0.1	70	5	2.2	0.5	6	200	CS128-4
MMP7075	0.1	100	—	2	1	8	200	Various

PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MMP7075-127-4	0.1	100	5	2	1	8	200	CS127-4
MMP7075-128-4	0.1	100	5	2	1	8	200	CS128-4
MMP7076	0.1	150	—	0.7	0.8	3	200	Various
MMP7076-127-1	0.1	150	5	0.7	0.8	3	200	CS127-1
MMP7076-128-1	0.1	150	5	0.7	0.8	3	200	CS128-1
MMP7077	0.1	100	—	1	0.5	3	200	Various
MMP7077-127-1	0.1	100	5	1	0.5	3	200	CS127-1
MMP7077-128-1	0.1	100	5	1	0.5	3	200	CS128-1
MMP7078	0.1	100	—	1	0.5	3	400	Various
MMP7078-127-1	0.1	100	5	1	0.5	3	400	CS127-1
MMP7078-128-1	0.1	100	5	1	0.5	3	400	CS128-1
MMP7079	0.1	70	—	2.2	0.5	6	600	Various
MMP7079-127-4	0.1	70	5	2.2	0.5	6	600	CS127-4
MMP7079-128-4	0.1	70	5	2.2	0.5	6	600	CS128-4
MMP7080	0.1	150	—	0.7	0.8	3	600	Various
MMP7080-127-1	0.1	150	5	0.7	0.8	3	600	CS127-1
MMP7080-128-1	0.1	150	5	0.7	0.8	3	600	CS128-1
MMP7081-127-1	0.1	70	5	1.2	0.8	4	50	CS127-1
MMP7081-128-1	0.1	70	5	1.2	0.8	4	50	CS128-1
MMP7089-127-1	0.1	500	5	0.5	0.6	1	500	CS127-1
MMP7089-128-1	0.1	500	5	0.5	0.6	1	500	CS128-1
MMP7090-127-1	0.1	400	5	0.7	0.5	2	500	CS127-1
MMP7090-128-1	0.1	400	5	0.7	0.5	2	500	CS128-1
MMP7091-127-1	0.1	150	5	1	0.3	3	500	CS127-1
MMP7091-128-1	0.1	150	5	1	0.3	3	500	CS128-1
MMP7092	1	6000	—	0.2	0.6	1	500	Various
MMP7093	1	4000	—	0.35	0.5	2	500	Various
MMP7094	1	2000	—	0.7	0.3	3	500	Various
MMP7094-85	1	2000	—	0.8	0.3	3	500	—
MMP7095	1	5000	—	0.3	1	3	1000	Various
MMP7096	1	2000	—	0.6	0.7	4	1000	Various
MMP7097	1	500	—	1.3	0.4	5	1000	Various
MMPN080045	1000	35000	—	—	—	—	200	C50
MMPN080150	1000	35000	—	—	—	—	200	C51
MMSPN050-C53	1000	40000	—	—	—	—	200	C53
MMSPN050-C54	1000	40000	—	—	—	—	200	C54
MMSPN051-C54	1000	40000	—	—	—	—	200	C54
MNP0008	100	12000	1	0.08	2	150	100	C12p
MNP0008-ET47P	100	12000	1	0.48	2	150	100	ET47p
MNP0008-T54P	100	12000	0.25	0.28	2	150	100	T54p
MNP0008-T55P	100	12000	0.25	0.21	2	150	100	T55p
MNP0008-T89P	100	12000	0.25	0.33	2	150	100	T89p
MNP0010	10	12000	1	0.08	2	300	150	C12p
MNP0010-ET47P	10	12000	1	0.048	2	300	150	ET47p
MNP0010-T54P	10	12000	0.25	0.28	2	300	150	T54p
MNP0010-T55P	10	12000	0.25	0.21	2	300	150	T55p
MNP0010-T89P	10	12000	0.25	0.33	2	300	150	T89p
MNP0012	5	12000	1	0.08	3.5	350	300	C12p
MNP0012-ET47P	5	12000	1	0.48	3.5	350	300	ET47p

PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MNP0012-T54P	5	12000	0.25	0.28	3.5	350	300	T54p
MNP0012-T55P	5	12000	0.25	0.21	3.5	350	300	T55p
MNP0012-T89P	5	12000	0.25	0.33	3.5	350	300	T89p
MNP0012A	5	8000	1	0.18	0.6	650	350	C22p
MNP0012A-ET47P	5	8000	1	0.58	0.6	650	350	ET47p
MNP0012A-T54P	5	8000	0.25	0.36	0.6	650	350	T54p
MNP0012A-T55P	5	8000	0.25	0.31	0.6	650	350	T55p
MNP0012A-T89P	5	8000	0.25	0.43	0.6	650	350	T89p
MNP0014	1	10000	1.5	0.12	1.3	750	500	C22p
MNP0014-ET47P	1	10000	0.5	0.52	0.8	750	450	ET47p
MNP0014-T54P	1	10000	0.1	0.32	0.8	750	450	T54p
MNP0014-T55P	1	10000	0.1	0.25	0.8	750	450	T55p
MNP0014-T89P	1	10000	0.1	0.37	0.8	750	450	T89p
MNP0014A	1	10000	0.1	0.18	0.8	1400	500	C32p
MPN1000-12	500	26000	0.1	0.02	4	80	100	Beam Lead
MPN1001-12	500	24000	0.1	0.027	3.5	80	100	Beam Lead
MPN1002-12	500	20000	0.1	0.03	3.2	80	100	Beam Lead
MPN1003-12	500	18000	0.1	0.035	2.9	80	100	Beam Lead
MPN1004-12	500	18000	0.1	0.04	2.7	80	100	Beam Lead
MPN1005-12	500	18000	0.1	0.048	2.5	80	100	Beam Lead
MPN1006-12	500	17000	0.1	0.055	2.3	80	100	Beam Lead
MPN1007-12	500	17000	0.1	0.065	2.1	80	100	Beam Lead
MPN1100-12	500	22000	0.1	0.025	3.7	50	50	Beam Lead
MPN1101-12	500	20000	0.1	0.03	3.5	50	50	Beam Lead
MPN1102-12	500	18000	0.1	0.04	2.9	50	50	Beam Lead
MPN1103-12	500	17000	0.1	0.06	2.5	50	50	Beam Lead
MPN3001	—	—	—	0.25	1	—	200	A15
MPN3002	—	—	—	0.25	1	—	300	A15
MPN3080	—	—	—	0.4	2.5	—	100	A15
MPN3081	—	—	—	0.4	3.5	—	100	A15
MPN4165	—	—	—	0.3	1.5	—	100	A15
MPN4166	—	—	—	0.3	1.5	—	100	A15
MPN7302	500	12000	1	0.08	1.2	8	20	C11
MPN7302-0805-2	500	10000	1	0.14	1.2	8	20	0805-2
MPN7302-E28 / 28X	500	10000	1	0.16	1.2	8	20	E28 / 28X
MPN7302-H20	500	6000	1	0.26	1.2	8	20	H20
MPN7304	200	12000	1	0.06	2.2	15	40	C11
MPN7304-0805-2	200	10000	1	0.18	2.2	15	40	0805-2
MPN7304-E28 / 28X	200	10000	1	0.14	2.2	15	40	E28 / 28X
MPN7304-H20	200	6000	1	0.24	2.2	15	40	H20
MPN7304A	200	12000	1	0.12	1	30	40	C12
MPN7304A-0805-2	200	10000	1	0.18	1	30	40	0805-2
MPN7304A-E28 / 28X	200	10000	1	0.2	1	30	40	E28 / 28X
MPN7304A-H20	200	6000	1	0.3	1	30	40	H20
MPN7306	100	12000	1	0.08	1.2	50	70	C12
MPN7306-0805-2	100	10000	1	0.14	1.2	50	70	0805-2
MPN7306-E28 / 28X	100	10000	1	0.16	1.2	50	70	E28 / 28X
MPN7306-H20	100	6000	1	0.26	1.2	50	70	H20
MPN7310	50	12000	1	0.05	1.5	100	100	C12
MPN7310-0805-2	50	10000	1	0.11	1.5	100	100	0805-2

PIN Switch and Attenuator Diodes (continued)

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ohm)	TI (ns)	Breakdown Voltage Min (V)	Package
MPN7310-E28 / 28X	50	10000	1	0.13	1.5	100	100	E28 / 28X
MPN7310-H20	50	6000	1	0.23	1.5	100	100	H20
MPN73100	50	10000	1	0.2	0.5	2	600	Die
MPN7310A	50	12000	1	0.18	0.6	200	100	C12
MPN7310A-0805-2	50	10000	1	0.24	0.6	200	100	0805-2
MPN7310A-E28 / 28X	50	10000	1	0.26	0.6	200	100	E28 / 28X
MPN7310A-H20	50	6000	1	0.36	0.6	200	100	H20
MPN73120	5	6000	1	0.3	0.5	4	700	Die
MPN7312A	20	12000	1	0.08	1.2	150	120	C12
MPN7312A-0805-2	20	10000	1	0.14	1.2	150	120	0805-2
MPN7312A-E28 / 28X	20	10000	1	0.16	1.2	150	120	E28 / 28X
MPN7312A-H20	20	6000	1	0.26	1.2	150	120	H20
MPN7312B	20	12000	1	0.18	0.8	250	120	C12
MPN7312B-0805-2	20	10000	1	0.24	0.8	250	120	0805-2
MPN7312B-E28 / 28X	20	10000	1	0.26	0.8	250	120	E28 / 28X
MPN7312B-H20	20	6000	1	0.36	0.8	250	120	H20
MPN7315	10	12000	1	0.08	1.2	180	150	C12
MPN7315-0805-2	10	10000	1	0.14	1.2	180	150	0805-2
MPN7315-E28 / 28X	10	10000	1	0.16	1.2	180	150	E28 / 28X
MPN7315-H20	10	6000	1	0.26	1.2	180	150	H20
MPN7320	5	12000	1	0.02	3	120	150	C01
MPN7320-0805-2	5	10000	1	0.08	3	120	150	0805-2
MPN7320-E28 / 28X	5	10000	1	0.1	3	120	150	E28 / 28X
MPN7320-H20	5	6000	1	0.2	3	120	150	H20
MPN7330	5	6000	7	0.3	0.3	500	30	Plastic/Die
MPN7345	5	6000	4	0.3	0.3	700	300	Die
MPN7360	1	6000	10	0.8	0.2	2500	600	Plastic/Die
MPN7370	1	6000	10	2	0.2	5000	700	Plastic/Die
MPN7380	1	6000	10	0.4	0.3	2500	800	Plastic/Die
MPN7420	1	6000	2.5	0.06	1	1000	400	Plastic/Die
MPN7453A	1	6000	3	0.1	0.7	700	300	Plastic/Die
MPN7453B	1	6000	3	0.15	0.6	2500	400	Plastic/Die
MPN7453C	1	6000	3	0.18	0.4	1000	300	Plastic/Die
MPND4005-0402	100	12000	0.25	0.07	5.5	125	100	402
MPND4005-B15	100	20000	0.25	0.018	5.5	125	100	B15
MPND4005-B16	100	20000	0.25	0.018	5.5	125	100	B16
SMPN7310-SOD323	100	2500	0.75	0.4	0.6	120	100	SOD323
SMPN7310-SOT23	100	2000	0.75	0.4	0.6	120	100	SOT23
SMPN7316-SOD323	50	2000	0.75	0.25	0.6	200	100	SOD323
SMPN7316-SOT23	50	1500	0.75	0.25	0.6	200	100	SOT23
SMPN7320-SOD323	5	1500	0.75	0.2	2	170	100	SOD323
SMPN7320-SOT23	5	1000	0.75	0.2	2	170	100	SOT23
SMPN7335-SOD323	5	1200	0.75	0.3	1.5	500	200	SOD323
SMPN7335-SOT23	5	1000	0.75	0.3	1.5	500	200	SOT23
SMPN7380-SOD323	1	1500	0.75	0.25	4	1500	200	SOD323
SMPN7380-SOT23	1	1200	0.75	0.25	4	1500	200	SOT23
SMPN7453-SOD323	1	1500	0.75	0.25	11	1400	200	SOD323
SMPN7453-SOT23	1	1200	0.75	0.25	4	2500	200	SOT23

PIN Limiter Diodes

Part Number	Incident Power, Max (W)	Thermal Resistance	Junction Capacitance (pF)	Resistance (Ohm)	Lifetime (ns)	Package
MADL-011021-14150T	2.5	100	0.4	1.5	10	1.5 x 1.2 mm TDFN-6
MADL-011008	30	150	0.3	1.5	15	1.2 x 1.5 mm PDFN-6
MLP7100	50	100	0.2	1.5	5	Various
MLP7130	50	120	0.12	2	5	Various
MLP7130-0805-2	50	120	0.12	2	5	Various
MLP7140	50	100	0.12	2	7	Various
MADL-000011-13880G	80	175	0.18	2.1	10	ODS-13880G Die
MA4L011-31	80	175	0.36	2.1	10	ODS-31
MA4L011-137	80	175	0.32	2.1	10	ODS-137
MA4L011-1088	80	175	0.3	2.1	10	ODS-1088
MA4L011-186	80	175	0.33	2.1	10	ODS-186
MA4L011-134	80	175	0.18	2.1	10	ODS-134 Die
MA4L011-1056	80	175	0.38	2.1	10	ODS-1056
MA4L011-30	80	175	0.36	2.1	10	ODS-30
MA4L011-32	80	175	0.48	2.1	10	ODS-32
MADL-011021-14210G	90	175	0.2	2.1	10	ODS-1056
MADL-011009-01340W	90	175	0.23	1.5	10	ODS-134
MADL-000021-003000	90	175	0.38	21	10	ODS-30
MA4L022-120	90	175	0.32	2	10	ODS-120
MA4L022-137	90	175	0.33	2	10	ODS-137
MA4L022-1056	90	175	0.39	2	10	ODS-1056
MA4L022-30	90	175	0.37	2	10	ODS-30
MA4L022-186	90	175	0.34	2	10	ODS-186
MA4L021-134	90	175	0.2	2.1	10	ODS-134 Die
MA4L022-134	90	175	0.19	2	10	ODS-134 Die
MA4L021-120	90	175	0.33	2.1	10	ODS-120
MA4L021-1056	90	175	0.4	2.1	10	ODS-1056
MA4L021-31	90	175	0.38	2.1	10	ODS-31
MA4L022-32	90	175	0.49	2	10	ODS-32
MADL-011023-14150T	100	175	0.2	1.3	10	1.5 x 1.2 mm TDFN-6
MLP7101	100	80	0.5	1.2	10	Various
MLP7102	100	55	0.7	1	10	Various
MLP7131	100	80	0.2	1.5	5	Various
MLP7141	100	70	0.2	1.5	7	Various
MADL-011010-01340W	125	150	0.24	1.5	15	ODS-134
MADL-000031-13880G	125	150	0.21	2.1	20	ODS-1388
MA4L032-186	125	150	0.35	2.5	15	ODS-186
MA4L031-31	125	150	0.39	2	20	ODS-31
MA4L031-186	125	150	0.36	2	20	ODS-186
MA4L031-134	125	150	0.21	2	20	ODS-134 Die
MA4L032-1056	125	150	0.4	2.5	15	ODS-1056
MA4L032-134	125	150	0.2	2.5	15	ODS-134 Die
MA4L031-1056	125	150	0.41	2	20	ODS-1056
MA4L032-31	125	150	0.38	2.5	15	ODS-31
MA4L032-32	125	150	0.5	2.5	15	ODS-32
MADL-000032-003000	125	150	0.21	2.1	20	ODS-3000
MADL-011011-01340W	200	150	0.17	2.3	10	ODS-134

PIN Limiter Diodes (continued)

Part Number	Incident Power, Max (W)	Thermal Resistance	Junction Capacitance (pF)	Resistance (Ohm)	Lifetime (ns)	Package
MADL-000062-13880G	200	150	0.15	2.5	10	ODS-13880G Die
MADL-000062-105600	200	150	0.35	2.5	10	ODS-1056
MA4L062-134	200	150	0.15	2.5	10	ODS-134 Die
MLP7110	200	80	0.2	1.5	10	Various
MADL-000101-13880G	250	30	0.15	2	90	ODS-13880G Die
MA4L101-134	250	30	0.15	2	90	ODS-134 Die
MA4L101-186	250	30	0.3	2	90	ODS-186
MA4L101-30	250	30	0.33	2	90	ODS-30
MLP7111	400	60	0.5	1.2	15	Various
MADL-000301-01340W	500	30	0.2	1.5	200	ODS-134 Die
MA4L301-1056	500	30	0.4	1.5	200	ODS-1056
MA4L301-31	500	30	0.38	1.5	200	ODS-31
MADL-000301-13870G	500	30	0.2	1.5	200	ODS-1370
MADL-011052-14280W	500	36	0.19	2	222	ODS-134 Die
MLP7112	795	40	0.7	1	20	Various
MA4L401-1056	1000	25	0.5	1.2	800	ODS-1056
MA4L401-31	1000	25	0.48	1.2	800	ODS-31
MA4L401-134	1000	25	0.3	1.2	800	ODS-134 Die
MA4L401-30	1000	25	0.48	1.2	800	ODS-30
MA4L401-120	1000	25	0.43	1.2	800	ODS-32
MADL-000401-13870G	1000	25	0.3	1.2	800	ODS-13870G Die
MLP7120	1000	40	0.2	1.5	50	Various
MLP7120-2012	1000	45	0.2	1.5	50	plastic
MLP7121	2000	20	0.6	1	50	Various
MLP7122	4000	15	0.8	0.5	100	Various

Schottky Mixer and Detector Diodes

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
MA4E932A-186	DC	18	—	0.25	—	1	ODS-186
MA4E932B-186	DC	18	—	0.25	—	1	ODS-186
MA4E929B-119	DC	18	—	0.25	—	1	ODS-119
MA4E929A-119	DC	18	—	0.25	—	15	ODS-119
MADS-002811-00540T	DC	3000	1.2	—	—	70	ODS-55
1N5711	DC	3000	1.2	2	—	70	ODS-54
MA4E2812-54	DC	3000	1.2	—	—	20	ODS-57
MA4E2811	DC	3000	1.2	—	—	15	ODS-56
MA40261	DC	3000	-	0.32	—	70	ODS-186
MADS-005711-0054MT	DC	3000	1.2	2	—	20	ODS-54
MA4E2054C1-287T	DC	4000	17	0.3	—	3	SOT23
MA4E1338B1-1146T	DC	4000	1	—	—	20	SC70 (3L)/SOT-323
MA4E1339A1-1141T	DC	4000	1.2	—	—	70	SOD323 (2L)
MADS-001340-12790T	DC	4000	1	—	—	1.5	SC-79
MA4E2200D1-287T	DC	4000	0.15	—	—	1.5	SOT23
MADS-003000-1292LT	DC	4000	7	0.5	—	8	ODS-1292
MA4E1338A1-1141T	DC	4000	1	1	—	8	SOD323 (2L)
MA4E1340A1-287T	DC	4000	1	—	—	70	SOT23

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Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
MADS-003000-1292HT	DC	4000	0.5	6	—	1.5	ODS-1292
MA4E2200A1-1141T	DC	4000	0.15	0.25	—	70	SOD323 (2L)
MA4E1340B1-1146T	DC	4000	1	—	—	20	SC70 (3L)/SOT-323
MADS-001339-12790T	DC	4000	1.2	—	—	8	SC-79
MADS-001338-12790T	DC	4000	1	—	—	3	SC-79
MA4E20541-1279T	DC	4000	17	0.3	—	3	SC-79
MADS-002200-12790T	DC	4000	0.25	—	—	1.5	SC-79
MA4E2200B1-287T	DC	4000	0.15	0.25	—	3	SOT23
MA4E2054B1-1146T	DC	4000	17	0.3	—	3	SC70 (3L)/SOT-323
MA4E1339B1-287T	DC	4000	1.2	—	—	3	SOT23
MA4E2054A1-287T	DC	4000	0.3	17	—	3	SOT23
MA4E20541-1141T	DC	4000	0.3	17	—	3	SOD323 (2L)
MA4E1338A1-287T	DC	4000	1	—	—	70	SOT23
MA4E1340A1-1141T	DC	4000	1	—	—	3	SOD323 (2L)
MA4E2054D1-287T	DC	4000	0.3	17	—	3	SOT23
MA4E2054B1-287T	DC	4000	0.3	17	—	3	SOT23
MA4E1338A1-1146T	DC	4000	1	—	—	70	SOT-323
MA4E1338B1-287T	DC	4000	1	—	—	8	SOT23
MA4E1339A1-1146T	DC	4000	1.2	—	—	20	SC70 (3L)/SOT-323
MA4E1339A1-287T	DC	4000	1.2	—	—	20	SOT23
MA4E1339B1-1146T	DC	4000	1.2	—	—	70	SC70 (3L)/SOT-323
MA4E1340A1-1146T	DC	4000	1	—	—	70	SC70 (3L)/SOT-323
MA4E1340B1-287T	DC	4000	1	—	—	3	SOT23
MA4E2054A1-1146T	DC	4000	0.3	17	—	3	SC70 (3L)/SOT-323
MADS-011010-1415	DC	6000	0.34	7	—	3	1.5 x 1.2 mm TDFN-6
MA40205-119	DC	10000	—	0.32	—	3	ODS-119
MA4E931Z2-1261A	DC	10000	—	—	—	3	DIE
MA4E2054L-1261	DC	10000	0.15	17	—	3	ODS-1261
MA40201-119	DC	10000	0.32	—	—	—	ODS-119
MA40143-213	DC	10000	0.32	—	—	—	ODS-213
MA40215-276	DC	10000	0.32	—	—	—	ODS-276
MA40208-276	DC	10000	0.32	—	—	—	ODS-276
MA40147-213	DC	10000	0.32	—	—	—	ODS-213
MA40264	DC	10000	0.32	—	—	3	ODS-186
MADS-011010-1419	DC	10000	0.15	7	—	3	ODS-1419
MA40215-120	DC	16000	0.32	—	—	5	ODS-1200
MADS-011030-14280W	DC	16000	0.33	6.5	100	3.5	Die
MADS-002545-1307MG	DC	18000	0.11	10	—	5	ODS-1307
MADS-002545-1307LG	DC	18000	0.11	11	—	5	ODS-1307
MADS-002545-1307HG	DC	18000	0.11	10	—	5	ODS-1307
SMS202	DC	18000	0.18	80	—	1	503
MADS-002502-1246HP	DC	26000	0.12	11	—	3	ODS-1246
MADS-002502-1246LP	DC	26000	0.12	16	—	3	ODS-1246
MADS-002502-1246MP	DC	26000	0.12	12	—	3	ODS-1246
MA4E2513L-1289	DC	26000	0.12	10	—	3	ODS-1289
MA4E2508H-1112	DC	26000	0.24	6	—	5	ODS-1112
MA4E2501L-1290	DC	26000	0.12	10	—	5	ODS-1290
MA4E2532M-1113	DC	26000	0.16	10	—	5	ODS-1113

Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
MA4E2508M-1112	DC	26000	0.24	12	—	5	ODS-1112
MA4E2514L-1116	DC	26000	0.12	16	—	3	ODS-1116
MA4E2508L-1112	DC	26000	16	0.24	—	5	ODS-1112
MA4E2514M-1116	DC	26000	0.12	12	—	3	ODS-1116
MA4E2502H-1246	DC	26000	0.12	11	—	3	ODS-1246
MA4E2502M-1246	DC	26000	0.12	12	—	3	ODS-1246
MA4E2502L-1246	DC	26000	0.12	16	—	3	ODS-1246
MADS-002501-1290LP	DC	26000	0.12	10	—	—	ODS-1290
SMGS11	DC	26500	0.1	7	—	4.5	503
SMGS21	DC	26500	0.15	7	—	4.5	503
SMS201	DC	26500	0.08	80	—	1	503
MA4E2039	DC	60000	0.05	4	—	4.5	Beam Lead
MA4E2040	DC	60000	0.05	4	—	4.5	Beam Lead
MA4E2037	DC	60000	0.05	4	—	4.5	Beam Lead
MADS-001317-1500AG	DC	80000	0.05	4	—	4.5	ODS-1500
MADS-001317-1500AP	DC	80000	0.05	4	—	7	ODS-1500
MA4E2160	DC	80000	0.05	4	—	7	ODS-1262
MA4E1318	DC	80000	0.09	4	—	4.5	ODS-1197
MA4E1317	DC	80000	0.05	4	—	4.5	ODS-1278
MA4E1319-1	DC	80000	0.05	4	—	4.5	ODS-1199
MA4E2038	DC	80000	0.04	6.5	—	4.5	Beam Lead
MA4E1319-2	DC	80000	0.05	4	—	4.5	ODS-1200
MADS-001318-1197HP	DC	80000	0.09	4	—	7	Tape and Reel
MA4E1310	DC	110000	0.04	7	—	7	ODS-1278
1N5819	—	—	—	110	—	30	DO-7
MGR700	DC	1000	1.2	—	—	8	—
MGR701	DC	1000	1	—	—	8	—
MGR702	DC	1000	1.2	—	—	20	—
MGR703	DC	1000	1	—	—	20	—
MGR704	DC	1000	2	—	—	70	—
MGR705	DC	1000	1.2	—	—	70	—
MGS801	DC	60000	0.06	7	—	5	GC110
MGS801A	DC	60000	0.075	5	—	5	GC110
MGS802	DC	60000	0.1	7	—	—	GC210
MGS802A	DC	60000	0.15	5	—	—	GC210
MGS803	DC	60000	0.06	7	—	5	GC310
MGS901	DC	60000	0.06	7	—	5	GB110
MGS902	DC	60000	0.1	7	—	—	GB210
MGS903	DC	60000	0.06	7	—	5	GB310
MGS904	DC	60000	0.06	7	—	—	B85
MGS904A	DC	60000	0.08	5	—	—	B85
MGS905	DC	60000	0.06	7	—	5	B86
MGS906	DC	60000	0.04	14	—	10	B90
MGS907	DC	60000	0.04	14	—	—	B85
MGS907A	DC	60000	0.06	12	—	—	B85
MGS907B	DC	60000	0.08	10	—	—	B85
MGS908	DC	60000	0.04	14	—	10	B86
MGS909	DC	60000	0.1	21	—	15	B90
MGS910	DC	60000	0.1	21	—	—	B87

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Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
MGS911	DC	60000	0.1	21	—	15	B88
MGS912	DC	60000	0.03	28	—	20	B89
MSS20-046-0805-2	DC	40000	0.1	80	—	1	0805-2
MSS20-046-C15	DC	40000	0.1	80	—	1	C15P
MSS20-046-E25	DC	40000	0.1	80	—	1	E25
MSS20-046-H27	DC	40000	0.1	80	—	1	H27
MSS20-046-T86	DC	40000	0.1	80	—	1	T86p
MSS20-047-0805-2	DC	40000	0.1	80	—	1	0805-2
MSS20-047-C15	DC	40000	0.1	80	—	1	C15P
MSS20-047-E25	DC	40000	0.1	80	—	1	E25
MSS20-047-H27	DC	40000	0.1	80	—	1	H27
MSS20-047-T86	DC	40000	0.1	80	—	1	T86p
MSS20-050-0805-2	DC	40000	0.15	80	—	1	0805-2
MSS20-050-C15	DC	40000	0.15	80	—	1	C15P
MSS20-050-E25	DC	40000	0.15	80	—	1	E25
MSS20-050-H27	DC	40000	0.15	80	—	1	H27
MSS20-050-T86	DC	40000	0.15	80	—	1	T86p
MSS20-051-0805-2	DC	40000	0.15	80	—	1	0805-2
MSS20-051-C15	DC	40000	0.15	80	—	1	C15P
MSS20-051-E25	DC	40000	0.15	80	—	1	E25
MSS20-051-H27	DC	40000	0.15	80	—	1	H27
MSS20-051-T86	DC	40000	0.15	80	—	1	T86p
MSS20-054-0805-2	DC	40000	0.2	80	—	1	0805-2
MSS20-054-C15	DC	40000	0.2	80	—	1	C15P
MSS20-054-E25	DC	40000	0.2	80	—	1	E25
MSS20-054-H27	DC	40000	0.2	80	—	1	H27
MSS20-054-T86	DC	40000	0.2	80	—	1	T86p
MSS20-055-0805-2	DC	40000	0.2	80	—	1	0805-2
MSS20-055-C15	DC	40000	0.2	80	—	1	C15P
MSS20-055-E25	DC	40000	0.2	80	—	1	E25
MSS20-055-H27	DC	40000	0.2	80	—	1	H27
MSS20-055-T86	DC	40000	0.2	80	—	1	T86p
MSS20-140-0402	DC	40000	0.08	80	—	1	402
MSS20-140-B10D	DC	40000	0.08	80	—	1	B10D
MSS20-141-0402	DC	40000	0.08	80	—	1	402
MSS20-141-B10D	DC	40000	0.08	80	—	1	B10D
MSS20-142-0402	DC	40000	0.1	80	—	1	402
MSS20-142-B10D	DC	40000	0.1	80	—	1	B10D
MSS20-143-0402	DC	40000	0.1	80	—	1	402
MSS20-143-B10D	DC	40000	0.1	80	—	1	B10D
MSS20-145-0402	DC	40000	0.12	80	—	1	402
MSS20-145-B10D	DC	40000	0.12	80	—	1	B10D
MSS20-146-0402	DC	40000	0.12	80	—	1	402
MSS20-146-B10D	DC	40000	0.12	80	—	1	B10D
MSS25-047-C15c	DC	40000	0.1	65	—	1	C15c
MSS25-049-C15c	DC	40000	0.12	55	—	1	C15c
MSS25-141-B10D	DC	40000	0.08	40	—	1	B10D
MSS25-143-B10D	DC	40000	0.1	60	—	1	B10D
MSS25-145-B10D	DC	40000	0.12	52	—	1	B10D

Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
MSS30-PCR46-B47	DC	18000	22	0.07	—	2	B47
MSS30-PCR53-B47	DC	18000	15	0.15	—	2	B47
MSS30-046-C15	DC	18000	0.12	18	—	2	C15
MSS30-046-P55	DC	18000	0.12	18	—	2	P55
MSS30-046-P86	DC	18000	0.12	18	—	2	P86
MSS30-050-C15	DC	18000	0.18	15	—	2	C15
MSS30-050-P55	DC	18000	0.18	15	—	2	P55
MSS30-050-P86	DC	18000	0.18	15	—	2	P86
MSS30-142-B10B	DC	18000	0.1	15	—	2	B10B
MSS30-142-E25	DC	18000	0.1	15	—	2	E25
MSS30-142-H20	DC	18000	0.1	15	—	2	H20
MSS30-148-B10B	DC	18000	0.15	15	—	2	B10B
MSS30-148-E25	DC	18000	0.15	15	—	2	E25
MSS30-148-H20	DC	18000	0.15	15	—	2	H20
MSS30-154-B10B	DC	18000	0.25	12	—	2	B10B
MSS30-154-E25	DC	18000	0.25	12	—	2	E25
MSS30-154-H20	DC	18000	0.25	12	—	2	H20
MSS30-242-B20	DC	18000	0.1	22	—	2	B20
MSS30-242-E35	DC	18000	0.1	22	—	2	E35
MSS30-242-H30	DC	18000	0.1	22	—	2	H30
MSS30-248-B20	DC	18000	0.15	15	—	2	B20
MSS30-248-E35	DC	18000	0.15	15	—	2	E35
MSS30-248-H30	DC	18000	0.15	15	—	2	H30
MSS30-254-B20	DC	18000	0.25	12	—	2	B20
MSS30-254-E35	DC	18000	0.25	12	—	2	E35
MSS30-254-H30	DC	18000	0.25	12	—	2	H30
MSS30-346-B21	DC	18000	0.3	16	—	2	B21
MSS30-346-E25	DC	18000	0.3	16	—	2	E25
MSS30-346-H20	DC	18000	0.3	16	—	2	H20
MSS30-442-B41	DC	18000	0.12	17	0.4	3	B42
MSS30-442-B42	DC	18000	0.1	22	—	2	B42
MSS30-442-E45	DC	18000	0.1	22	—	2	E45
MSS30-442-H40	DC	18000	0.1	22	—	2	H40
MSS30-448-B41	DC	18000	0.12	17	0.4	3	B42
MSS30-448-B42	DC	18000	0.15	15	—	2	B42
MSS30-448-E45	DC	18000	0.15	15	—	2	E45
MSS30-448-H40	DC	18000	0.15	15	—	2	H40
MSS30-454-B40	DC	18000	0.25	12	—	2	B40
MSS30-454-E45	DC	18000	0.25	12	—	2	E45
MSS30-454-H40	DC	18000	0.25	12	—	2	H40
MSS30-B46-B45	DC	18000	0.125	25	—	2	B45
MSS30-B46-E45	DC	18000	0.125	25	—	2	E45
MSS30-B46-H40	DC	18000	0.125	25	—	2	H40
MSS30-B53-B45	DC	18000	0.25	15	—	2	B45
MSS30-B53-E45	DC	18000	0.25	15	—	2	E45
MSS30-B53-H40	DC	18000	0.25	15	—	2	H40
MSS30-CR46-B49	DC	18000	0.125	22	—	2	B49
MSS30-CR46-E45	DC	18000	0.125	22	—	2	E45
MSS30-CR46-H40	DC	18000	0.125	22	—	2	H40

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Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
MSS30-CR53-B49	DC	18000	0.25	15	—	2	B49
MSS30-CR53-E45	DC	18000	0.25	15	—	2	E45
MSS30-CR53-H40	DC	18000	0.25	15	—	2	H40
MSS30-PCB46-B48	DC	18000	0.12	20	—	2	B48
MSS39-045-C15	DC	18000	0.1	—	—	5	C15p
MSS39-045-P55	DC	18000	0.1	—	—	5	P55p
MSS39-045-P86	DC	18000	0.1	—	—	5	P86p
MSS39-048-C15	DC	18000	0.15	—	—	5	C15p
MSS39-048-P55	DC	18000	0.15	—	—	5	P55p
MSS39-048-P86	DC	18000	0.15	—	—	5	P86p
MSS39-144-0402	DC	18000	0.08	—	—	3.5	402
MSS39-144-0805-2	DC	18000	0.08	—	—	3.5	0805-2
MSS39-144-B10B	DC	18000	0.08	—	—	3.5	B10Bp
MSS39-144-H27	DC	18000	0.08	—	—	3.5	H27
MSS39-146-0402	DC	18000	0.1	—	—	3.5	402
MSS39-146-0805-2	DC	18000	0.1	—	—	3.5	0805-2
MSS39-146-B10B	DC	18000	0.1	—	—	3.5	B10Bp
MSS39-146-H27	DC	18000	0.1	—	—	3.5	H27
MSS39-148-0402	DC	18000	0.12	—	—	3.5	402
MSS39-148-0805-2	DC	18000	0.12	—	—	3.5	0805-2
MSS39-148-B10B	DC	18000	0.12	—	—	3.5	B10Bp
MSS39-148-E25	DC	18000	0.12	—	—	3.5	E25
MSS39-148-H20	DC	18000	0.12	—	—	3.5	H20
MSS39-152-0402	DC	18000	0.18	—	—	3.5	402
MSS39-152-0805-2	DC	18000	0.18	—	—	3.5	0805-2
MSS39-152-B10B	DC	18000	0.18	—	—	3.5	B10Bp
MSS39-152-E25	DC	18000	0.18	—	—	3.5	E25
MSS39-152-H20	DC	18000	0.18	—	—	3.5	H20
MSS40-045-C15	DC	18000	0.12	15	—	3	C15
MSS40-045-P55	DC	18000	0.12	15	—	3	P55
MSS40-045-P86	DC	18000	0.12	15	—	3	P86
MSS40-048-C15	DC	18000	0.15	15	—	3	C15
MSS40-048-P55	DC	18000	0.15	15	—	3	P55
MSS40-048-P86	DC	18000	0.15	15	—	3	P86
MSS40-141-0402	DC	18000	0.1	22	—	3	402
MSS40-141-B10B	DC	18000	0.1	22	—	3	B10B
MSS40-141-E25	DC	18000	0.1	22	—	3	E25
MSS40-141-H20	DC	18000	0.1	22	—	3	H20
MSS40-148-0402	DC	18000	0.15	17	—	3	402
MSS40-148-B10B	DC	18000	0.15	17	—	3	B10B
MSS40-148-E25	DC	18000	0.15	17	—	3	E25
MSS40-148-H20	DC	18000	0.15	17	—	3	H20
MSS40-155-0402	DC	18000	0.3	13	—	3	402
MSS40-155-B10B	DC	18000	0.3	13	—	3	B10B
MSS40-155-E25	DC	18000	0.3	13	—	3	E25
MSS40-155-H20	DC	18000	0.3	13	—	3	H20
MSS40-244-0805-4	DC	18000	0.12	22	—	3	0805-4
MSS40-244-B20	DC	18000	0.12	22	—	3	B20
MSS40-244-E35	DC	18000	0.12	22	—	3	E35

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Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
MSS40-248-0805-4	DC	18000	0.15	17	—	3	0805-4
MSS40-248-B20	DC	18000	0.15	17	—	3	B20
MSS40-248-E35	DC	18000	0.15	17	—	3	E35
MSS40-255-0805-4	DC	18000	0.3	15	—	3	0805-4
MSS40-255-B20	DC	18000	0.3	15	—	3	B20
MSS40-255-E35	DC	18000	0.3	15	—	3	E35
MSS40-448-B42	DC	18000	0.15	17	—	3	B42
MSS40-448-E45	DC	18000	0.15	17	—	3	E45
MSS40-448-H40	DC	18000	0.15	17	—	3	H40
MSS40-455-B40	DC	18000	0.3	17	—	3	B40
MSS40-455-E45	DC	18000	0.3	17	—	3	E45
MSS40-455-H40	DC	18000	0.3	17	—	3	H40
MSS40-B46-B45	DC	18000	0.13	25	—	3	B45
MSS40-B46-E45	DC	18000	0.13	25	—	3	E45
MSS40-B53-B45	DC	18000	0.25	15	—	3	B45
MSS40-B53-E45	DC	18000	0.25	15	—	3	E45
MSS40-CR46-B49	DC	18000	0.125	22	—	3	B49
MSS40-CR46-E45	DC	18000	0.125	22	—	3	E45
MSS40-CR46-H40	DC	18000	0.125	22	—	3	H40
MSS40-CR53-B49	DC	18000	0.25	15	—	3	B49
MSS40-CR53-E45	DC	18000	0.25	15	—	3	E45
MSS40-CR53-H40	DC	18000	0.25	15	—	3	H40
MSS40-PCB46-B48	DC	18000	0.12	20	—	3	B48
MSS40-PCR46-B47	DC	18000	0.12	20	—	3	B47
MSS40-PCR53-B47	DC	18000	0.25	15	—	3	B47
MSS50-046-C26	DC	18000	0.12	20	—	4	C26
MSS50-046-P55	DC	18000	0.12	20	—	4	P55
MSS50-046-P86	DC	18000	0.12	20	—	4	P86
MSS50-048-C15	DC	18000	0.15	15	—	4	C15
MSS50-048-P86A	DC	18000	0.15	15	—	4	P86
MSS50-062-C16	DC	18000	0.55	12	—	4	C16
MSS50-062-P55	DC	18000	0.55	12	—	4	P55
MSS50-062-P86	DC	18000	0.55	12	—	4	P86
MSS50-146-0402	DC	18000	0.12	18	—	4	402
MSS50-146-0805-2	DC	18000	0.12	18	—	4	0805-2
MSS50-146-B10B	DC	18000	0.12	18	—	4	B10B
MSS50-146-E25	DC	18000	0.12	18	—	4	E25
MSS50-146-H20	DC	18000	0.12	18	—	4	H20
MSS50-155-0402	DC	18000	0.3	15	—	4	402
MSS50-155-0805-2	DC	18000	0.3	15	—	4	0805-2Å
MSS50-155-B10B	DC	18000	0.3	15	—	4	B10B
MSS50-155-E25	DC	18000	0.3	15	—	4	E25
MSS50-155-H20	DC	18000	0.3	15	—	4	H20Å
MSS50-244-0805-4	DC	18000	0.2	16	—	4	0805-4
MSS50-244-B20	DC	18000	0.2	16	—	4	B20
MSS50-244-E35	DC	18000	0.2	16	—	4	E35
MSS50-244-H30	DC	18000	0.2	16	—	4	H30
MSS50-341-B21	DC	18000	0.26	16	—	4	B21
MSS50-341-E25	DC	18000	0.26	16	—	4	E25
MSS50-341-H20	DC	18000	0.26	16	—	4	H20

Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
MSS50-448-0805-4	DC	18000	0.25	14	—	4	0805-4
MSS50-448-B40	DC	18000	0.25	14	—	4	B40
MSS50-448-E45	DC	18000	0.25	14	—	4	E45
MSS50-448-H40	DC	18000	0.25	14	—	4	H40
MSS50-B46-B45	DC	18000	0.13	20	—	4	B45
MSS50-B46-E45	DC	18000	0.13	20	—	4	E45
MSS50-B46-H40	DC	18000	0.13	20	—	4	H40
MSS50-B53-B45	DC	18000	0.25	15	—	4	B45
MSS50-B53-E45	DC	18000	0.25	15	—	4	E45
MSS50-B53-H40	DC	18000	0.25	15	—	4	H40
MSS50-CR46-B49	DC	18000	0.125	22	—	4	B49
MSS50-CR46-E45	DC	18000	0.125	22	—	4	E45
MSS50-CR46-H40	DC	18000	0.125	22	—	4	H40
MSS50-CR53-B49	DC	18000	0.25	15	—	4	B49
MSS50-CR53-E45	DC	18000	0.25	15	—	4	E45
MSS50-CR53-H40	DC	18000	0.25	15	—	4	H40
MSS50-PCB46-B48	DC	18000	0.12	20	—	4	B48
MSS50-PCR46-B47	DC	18000	0.12	20	—	4	B47
MSS50-PCR53-B48	DC	18000	0.25	15	—	4	B47
MZB600-19-6	DC	8000	0.2	3500	—	3	CS19-6
MZB600-32	DC	8000	0.2	3500	—	3	CS32
MZB600-B11	DC	8000	0.2	3500	—	3	B11
MZB600-C15P	DC	8000	0.2	3500	—	3	C15P
MZB604-B11	DC	8000	0.2	5000	—	4	B11
MZB604-C15P	DC	8000	0.2	5000	—	4	C15P
MZB604-CS11	DC	8000	0.2	5000	—	4	CS11
MZB604-CS19-1	DC	8000	0.2	5000	—	4	CS19-1
MZB604-CS32	DC	8000	0.2	5000	—	4	CS32
SMSCQ1200-SOT143	DC	3000	0.4	15	270	2	SOT-143
SMSCQ1500-SOT143	DC	3000	0.65	8	270	2	SOT-143
SMSCQ2500-SOT143	DC	3000	0.65	10	400	2	SOT-143
SMSCQ4500-SOT143	DC	3000	0.65	8	600	3	SOT-143
SMSCQ5500-SOT143	DC	3000	0.55	16	1100	3	SOT-143
SMSD3004-SOD323	DC	3000	0.6	10	270	2	SOD-323
SMSD3012-SOD323	DC	3000	0.25	15	270	2	SOD-323
SMSD4004-SOD323	DC	3000	0.6	10	350	2	SOD-323
SMSD4012-SOD323	DC	3000	0.25	15	350	2	SOD-323
SMSD6004-SOD323	DC	3000	0.6	10	600	2	SOD-323
SMSD6012-SOD323	DC	3000	0.25	15	630	2	SOD-323
SMSP3004-SOT143	DC	3000	0.65	10	270	2	SOT-143
SMSP3012-SOT143	DC	3000	0.4	15	270	2	SOT-143
SMSRQ1200-SOT143	DC	3000	0.4	15	270	2	SOT-143
SMSRQ1500-SOT143	DC	3000	0.65	8	270	2	SOT-143
SMSRQ2500-SOT143	DC	3000	0.65	10	400	2	SOT-143
SMSRQ4500-SOT143	DC	3000	0.65	8	600	3	SOT-143
SMSRQ5500-SOT143	DC	3000	0.55	16	1100	3	SOT-143
SMST3004-SOT23	DC	3000	0.6	10	270	2	SOT-23
SMST3012-SOT23	DC	3000	0.25	15	270	2	SOT-23

Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ohm)	Vf (mV)	Vb (V)	Package
SMST4004-SOT23	DC	3000	0.6	10	350	2	SOT-23
SMST4012-SOT23	DC	3000	0.25	15	350	2	SOT-23
SMST6004-SOT23	DC	3000	0.6	10	600	2	SOT-23
SMST6012-SOT23	DC	3000	0.25	15	630	2	SOT-23
MA4E2532L-1113	DC	1800	0.1	16	440	5	ODS-1113
MSS40-PCR46-B48	—	—	0.08	20	0	0	B48
MNM200	DC	2600	0.14	20	0.4	3	Die
MNM201	DC	2600	0.2	20	0.4	3	Die
MNM202	DC	2600	0.12	20	0.4	3	Die
MNM203	DC	2600	0.14	20	0.4	3	Die
MNM204	DC	2600	0.15	20	0.425	4	Die
MNM205	DC	2600	0.15	20	0.425	4	Die
MNM206	DC	2600	0.12	20	0.425	4	Die
MNM207	DC	2600	0.14	20	0.425	4	Die
MNM208	DC	2600	0.14	20	0.45	4	Die
MNM210	DC	2600	0.12	20	0.45	5	Die
MNM211	DC	2600	0.25	20	0.45	5	Die
MNM212	DC	2600	0.21	20	0.475	5	Die
MNM213	DC	2600	0.15	20	0.475	5	Die
MNM214	DC	2600	0.12	20	0.475	5	Die
MNM215	DC	2600	0.15	20	0.475	5	Die

Current Limiter Field Effect

Regulator Part Number	Regulator Current IP Typ (mA)	Regulator Current IP, Min (mA)	Regulator Current IP, Max (mA)	Knee Impedance Zs Min (Ω)	Living Voltage Impedance Zk Min (Ω)	VL Max (V)
1N5283	0.22	0.198	0.242	25	2.75	1
1N5284	0.24	0.216	0.264	19	2.35	1
1N5285	0.27	0.243	0.297	14	1.95	1
1N5286	0.3	0.27	0.33	9	1.6	1
1N5287	0.33	0.297	0.363	6.6	1.35	1
1N5288	0.39	0.351	0.429	4.1	1	1.05
1N5289	0.43	0.387	0.473	3.3	0.87	1.05
1N5290	0.47	0.423	0.517	2.7	0.75	1.05
1N5291	0.56	0.504	0.616	1.9	0.56	1.1
1N5292	0.62	0.558	0.682	1.55	0.47	1.13
1N5293	0.68	0.612	0.748	1.35	0.4	1.15
1N5294	0.75	0.675	0.825	1.15	0.335	1.2
1N5295	0.82	0.738	0.902	1	0.29	1.25
1N5296	0.91	0.819	1	0.88	0.24	1.29
1N5297	1	0.9	1.1	0.8	0.205	1.35
1N5298	1.1	0.99	1.21	0.7	0.18	1.4
1N5299	1.2	1.08	1.32	0.64	0.155	1.45
1N5300	1.3	1.17	1.43	0.58	0.135	1.5
1N5301	1.4	1.26	1.54	0.54	0.115	1.55
1N5302	1.5	1.35	1.65	0.51	0.105	1.6

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Current Limiter Field Effect (continued)

Regulator Part Number	Regulator Current IP Typ (mA)	Regulator Current IP, Min (mA)	Regulator Current IP, Max (mA)	Knee Impedance Zs Min (Ω)	Living Voltage Impedance Zk Min (Ω)	VL Max (V)
1N5303	1.6	1.44	1.76	0.457	0.092	1.65
1N5304	1.8	1.62	1.98	0.42	0.074	1.75
1N5305	2	1.8	2.2	0.395	0.061	1.85
1N5306	2.2	1.98	2.42	0.37	0.052	1.95
1N5307	2.4	2.16	2.64	0.345	0.044	2
1N5308	2.7	2.43	2.97	0.32	0.035	2.15
1N5309	3	2.7	3.3	0.3	0.029	2.25
1N5310	3.3	2.97	3.63	0.28	0.024	2.35
1N5311	3.6	3.24	3.96	0.265	0.02	2.5
1N5312	3.9	3.51	4.29	0.255	0.017	2.6
1N5313	4.3	3.87	4.73	0.245	0.014	2.75
1N5314	4.7	4.23	5.17	0.235	0.012	2.9

Silicon Zener Diodes 1N5000 and 1N6000 Series

Part Number	Reverse Leakage Current Max (μA)	VR1 Max (V)	VR2 (V)	Noise Density Max (μV / √ Hz)	Regulation Factor ΔVz Max (V)	Regulation Factor IzL Max (mA)	Regulator Current Factor IzL Max (mA)	Package
1N5518	5	0.9	1	0.5	0.9	2	115	DO-7
1N5519	3	0.9	1	0.5	0.9	2	105	DO-7
1N5520	1	0.9	1	0.5	0.85	2	98	DO-7
1N5521	3	1	1.5	0.5	0.75	2	88	DO-7
1N5522	2	1.5	2	0.5	0.6	1	81	DO-7
1N5523	2	2	2.5	0.5	0.65	0.25	75	DO-7
1N5524	2	3	3.5	1	0.3	0.25	68	DO-7
1N5525	1	4.5	5	1	0.2	0.01	61	DO-7
1N5526	1	5.5	6.2	1	0.1	0.01	56	DO-7
1N5527	0.5	6	6.8	2	0.05	0.01	51	DO-7
1N5528	0.5	6.5	7.5	4	0.05	0.01	46	DO-7
1N5529	0.1	7	8.2	4	0.05	0.01	42	DO-7
1N5530	0.05	8	9.1	4	0.1	0.01	38	DO-7
1N5531	0.05	9	9.9	5	0.2	0.01	35	DO-7
1N5532	0.05	9.5	10.8	10	0.2	0.01	32	DO-7
1N5533	0.01	10.5	11.7	15	0.2	0.01	29	DO-7
1N5534	0.01	11.5	12.6	20	0.2	0.01	27	DO-7
1N5535	0.01	12.5	13.5	20	0.2	0.01	25	DO-7
1N5536	0.01	13	14.4	20	0.2	0.01	24	DO-7
1N5537	0.01	14	15.3	20	0.2	0.01	22	DO-7
1N5538	0.01	15	16.2	20	0.2	0.01	21	DO-7
1N5539	0.01	16	17.1	20	0.2	0.01	20	DO-7
1N5540	0.01	17	18	20	0.2	0.01	19	DO-7
1N5541	0.01	18	19.8	25	0.25	0.01	17	DO-7
1N5542	0.01	20	21.6	30	0.3	0.01	16	DO-7
1N5543	0.01	21	22.4	35	0.35	0.01	15	DO-7
1N5544	0.01	23	25.2	40	0.4	0.01	14	DO-7

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Silicon Zener Diodes 1N5000 and 1N6000 Series (continued)

Part Number	Reverse Leakage Current Max (μA)	VR1 Max (V)	VR2 (V)	Noise Density Max (μV / √ Hz)	Regulation Factor ΔVz Max (V)	Regulation Factor IzL Max (mA)	Regulator Current Factor IzL Max (mA)	Package
1N5545	0.01	24	27	45	0.45	0.01	13	DO-7
1N5546	0.01	28	29.7	50	0.5	0.01	12	DO-7
1N6082	2	—	1.5	1	0.75	—	—	DO-7
1N6083	2	—	2	1	0.5	—	—	DO-7
1N6084	2	—	3	1	0.3	—	—	DO-7
1N6085	2	—	4.5	1	0.1	—	—	DO-7
1N6086	0.5	—	5.6	1	0.1	—	—	DO-7
1N6087	0.05	—	6.2	1	0.1	—	—	DO-7
1N6088	0.01	—	6.8	1	0.1	—	—	DO-7
1N6089	0.01	—	7.5	1	0.1	—	—	DO-7
1N6090	0.01	—	8.2	2	0.1	—	—	DO-7
1N6091	0.01	—	9.1	2	0.1	—	—	DO-7

Silicon Zener Diodes Sharp Breakdown

Part Number	Reverse Leakage Current IR μadc Max (μA)	Noise Density Max (μV / √ Hz)	Reverse Leakage Max (μA)	Reverse Leakage Vdc Max (nA)	Reverse Leakage Current Max VR Vdc (nA)	Regulation Factor ΔVz Max (V)	Izh Max (mA)	IzL Max (μA)	Package
LVA100A	0.01	4	—	—	9	—	—	—	CS85 (DO-7)
LVA43A	4	4	—	—	1.5	—	—	—	CS85 (DO-7)
LVA450A	—	1	10	4	—	0.4	1	100	CS85 (DO-7)
LVA453A	—	1	5	4.24	—	0.2	1	100	CS85 (DO-7)
LVA456A	—	1	1	4.48	—	0.1	1	50	CS85 (DO-7)
LVA459A	—	1	0.5	4.72	—	0.1	1	10	CS85 (DO-7)
LVA462A	—	1	0.1	4.96	—	0.1	1	10	CS85 (DO-7)
LVA465A	—	1	0.05	5.2	—	0.1	1	10	CS85 (DO-7)
LVA468A	—	1	0.01	5.44	—	0.1	1	10	CS85 (DO-7)
LVA471A	—	1	0.01	5.68	—	0.1	1	10	CS85 (DO-7)
LVA474A	—	1	0.01	5.92	—	0.1	1	10	CS85 (DO-7)
LVA477A	—	1	0.01	6.16	—	0.1	1	10	CS85 (DO-7)
LVA47A	4	4	—	—	2	—	—	—	CS85 (DO-7)
LVA480A	—	1	0.01	6.4	—	0.1	1	10	—
LVA483A	—	1	0.01	6.64	—	0.1	1	10	—
LVA486A	—	1	0.01	6.88	—	0.1	1	10	—
LVA489A	—	2	0.01	7.12	—	0.1	1	10	—
LVA492A	—	2	0.01	7.36	—	0.1	1	10	—
LVA495A	—	2	0.01	7.6	—	0.1	1	10	—
LVA498A	—	2	0.01	7.84	—	0.1	1	10	—
LVA51A	0.1	4	—	—	2	—	—	—	CS85 (DO-7)
LVA56A	0.05	4	—	—	3	—	—	—	CS85 (DO-7)
LVA62A	0.05	4	—	—	4	—	—	—	CS85 (DO-7)
LVA68A	0.05	4	—	—	5	—	—	—	CS85 (DO-7)
LVA75A	0.01	4	—	—	6	—	—	—	CS85 (DO-7)
LVA82A	0.01	4	—	—	6.5	—	—	—	CS85 (DO-7)
LVA91A	0.01	4	—	—	8	—	—	—	CS85 (DO-7)

Silicon Low Level Zener Diodes

Part Number	Nominal Zener Voltage (V)	Noise Density Max ($\mu\text{V} / \sqrt{\text{Hz}}$)	Zener Impedance Zzt Max (Ω)	Regulator Current Izm (mA)
1N4099	6.8	40	200	35
1N4100	7.5	40	200	31.8
1N4101	8.2	40	200	29
1N4102	8.7	40	200	27.4
1N4103	9.1	40	200	26.2
1N4104	10	40	200	24.8
1N4105	11	40	200	21.6
1N4106	12	40	200	20.4
1N4107	13	40	200	19
1N4108	14	40	200	17.5
1N4109	15	40	100	16.3
1N4110	16	40	100	15.4
1N4111	17	40	100	14.5
1N4112	18	40	100	13.2
1N4113	19	40	150	12.5
1N4114	20	40	150	11.9
1N4115	22	40	150	10.8
1N4116	24	40	150	9.9
1N4117	25	40	150	9.5
1N4118	27	40	150	8.8
1N4119	28	40	200	8.5
1N4120	30	40	200	7.9
1N4121	33	40	200	7.2
1N4614	1.8	1	1200	120
1N4615	2	1	1250	110
1N4616	2.2	1	1300	100
1N4617	2.4	1	1400	95
1N4618	2.7	1	1500	90
1N4619	3	1	1600	85
1N4620	3.3	1	1650	80
1N4621	3.6	1	1700	75
1N4622	3.9	1	1650	70
1N4623	4.3	1	1600	65
1N4624	4.7	1	1550	60
1N4625	5.1	2	1500	55
1N4626	5.6	4	1400	50
1N4627	6.2	5	1200	45

Part Number	Nominal Zener Voltage (V)	Regulation Factor ΔV_z Max (V)	Regulator Current Izm Max (mA)
1N4678	1.8	0.7	120
1N4679	2	0.7	110
1N4680	2.2	0.75	100
1N4681	2.4	0.8	95
1N4682	2.7	0.85	90
1N4683	3	0.9	85
1N4684	3.3	0.95	80
1N4685	3.6	0.95	75
1N4686	3.9	0.97	70
1N4687	4.3	0.99	65
1N4688	4.7	0.99	60

Silicon Low Level Zener Diodes (continued)

Part Number	Nominal Zener Voltage (V)	Regulation Factor ΔV_z Max (V)	Regulator Current I_{zm} Max (mA)
1N4689	5.1	0.97	55
1N4690	5.6	0.96	50
1N4691	6.2	0.85	45
1N4692	6.8	0.9	35
1N4693	7.5	0.75	31.8

Part Number	Nominal Zener Voltage (V)	Regulation Factor ΔV_z Max (V)	Regulator Current I_{zm} Max (mA)
1N4694	8.2	0.5	29
1N4695	8.7	0.1	27.4
1N4696	9.1	0.08	26.2
1N4697	10	0.1	24.8
1N4698	11	0.11	21.6
1N4699	12	0.12	20.4
1N4700	13	0.13	19
1N4701	14	0.14	17.5
1N4702	15	0.15	16.3
1N4703	16	0.16	15.4
1N4704	17	0.17	14.5
1N4705	18	0.18	13.2
1N4706	19	0.19	12.5
1N4707	20	0.2	11.9
1N4708	22	0.22	10.8
1N4709	24	0.24	9.9
1N4710	25	0.25	9.5
1N4711	27	0.27	8.8
1N4712	28	0.28	8.5
1N4713	30	0.3	7.9
1N4714	33	0.33	7.2

Part Number	Nominal Zener Voltage (V)	Dynamic Impedance Z_z (Ω)	Dynamic Impedance Z_{zk} (Ω)
K120	1.2	20	125
K150	1.5	20	125
K180	1.8	20	125
K210	2.1	20	125
K240	2.4	20	125
K270	2.7	20	125
K300	3	20	125
K330	3.3	20	125
K360	3.6	20	125
K390	3.9	20	125
K430	4.3	25	135
K470	4.7	25	135
K510	5.1	25	135
K511	5.1	50	15
K561	5.6	45	15
K621	6.2	35	18
K681	6.8	25	18

Silicon Low Level Zener Diodes (continued)

Part Number	Nominal Zener Voltage (V)	Regulation Factor ΔV_z Max (V)	Regulator Current I_{zm} Max (mA)
1N4694	8.2	0.5	29
1N4695	8.7	0.1	27.4
1N4696	9.1	0.08	26.2
1N4697	10	0.1	24.8
1N4698	11	0.11	21.6
1N4699	12	0.12	20.4
1N4700	13	0.13	19
1N4701	14	0.14	17.5
1N4702	15	0.15	16.3
1N4703	16	0.16	15.4
1N4704	17	0.17	14.5
1N4705	18	0.18	13.2
1N4706	19	0.19	12.5
1N4707	20	0.2	11.9
1N4708	22	0.22	10.8
1N4709	24	0.24	9.9
1N4710	25	0.25	9.5
1N4711	27	0.27	8.8
1N4712	28	0.28	8.5
1N4713	30	0.3	7.9
1N4714	33	0.33	7.2

Part Number	Nominal Zener Voltage (V)	Dynamic Impedance Z_z (Ω)	Dynamic Impedance Z_{zk} (Ω)
K120	1.2	20	125
K150	1.5	20	125
K180	1.8	20	125
K210	2.1	20	125
K240	2.4	20	125
K270	2.7	20	125
K300	3	20	125
K330	3.3	20	125
K360	3.6	20	125
K390	3.9	20	125
K430	4.3	25	135
K470	4.7	25	135
K510	5.1	25	135
K511	5.1	50	15
K561	5.6	45	15
K621	6.2	35	18
K681	6.8	25	18



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