



Diodes

**2023 PRODUCT
SELECTION GUIDE**

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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 70-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.

Additional product information can be found on our website at macom.com.

Contact our worldwide sales offices, authorized representatives, and industry-leading distributors to request samples, test boards, and application support.

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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.

Diode Support Services

- > Lot approval offered: maintaining secured inventory at our factory
- > Product extensions/ variants, custom design and development
- > 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)

Varactor Tuning Diodes (pages 4-7)

- > 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 (pages 7-9)

- > 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 (pages 9-17)

- > Broadband performance from 1 MHz to 70 GHz
- > Excellent choices for switch, limiter, phase shifter, and attenuator circuit applications
- > Plastic series for cost effective, surfacemount 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 (pages 18-19)

- > 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 (pages 19-23)

- > 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

Schottky THz Barrier Diodes (page 23)

- > The intrinsic cutoff frequencies of these Schottky junction devices exceed 1 THz
- > Well-suited for use in mixers and detectors operating in the frequency bands from 60 GHz into the hundreds of GHz bands.

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 S	0.5	0.3	8000	30	ODS-134 Die
MA46603-276	0.5	0.6	6500	30	ODS-276
MAVR-045436-12790T	0.5	4.7	1800	30	ODS-1279
MGV050-18 S	0.5	0.3	4000	22	C01A
MGV050-18-0805-2	0.5	0.36	4000	22	0805-2
MGV050-18-E28/28X	0.5	0.38	4000	22	E28 /28X
MGV050-18-H20 S	0.5	0.48	4000	22	H20
MGV050-20 S	0.5	0.55	4000	22	C01A
MGV050-20-0805-2	0.5	0.61	4000	22	0805-2
MGV050-20-E28/28X	0.5	0.63	4000	22	E28 /28X
MGV050-20-H20 S	0.5	0.73	4000	22	H20
MGV050-22	0.5	1.0	3000	22	C01A
MGV050-22-0805-2	0.5	1.06	3000	22	0805-2
MGV050-22-E28/28X	0.5	1.08	3000	22	E28 /28X
MGV050-22-H20 S	0.5	1.18	3000	22	H20
MGV050-24	0.5	1.5	3000	22	C01A
MGV050-24-0805-2	0.5	1.56	3000	22	0805-2
MGV050-24-E28/28X	0.5	1.58	3000	22	E28 /28X
MGV050-24-H20 S	0.5	1.68	3000	22	H20
MGV050-26 S	0.5	2.0	3000	22	C01A
MGV050-26-0805-2	0.5	2.06	3000	22	0805-2
MGV050-26-E28/28X	0.5	2.08	3000	22	E28 /28X
MGV050-26-H20 S	0.5	2.18	3000	22	H20
MTV4030-01	—	0.4	5000	30	Die/Various
MTV4030-02	—	0.6	5000	30	Die/Various
MTV4030-03	—	0.8	4800	30	Die/Various
MTV4030-04	—	1.0	4800	30	Die/Various
MTV4030-05	—	1.2	4600	30	Die/Various
MTV4030-08	—	1.8	4200	30	Die/Various
MTV4030-09	—	2.2	4000	30	Die/Various
MTV4030-10	—	2.7	3800	30	Die/Various
MTV4030-15	—	5.6	3000	30	Die/Various
MTV4030-20	—	15	2000	30	Die/Various
MTV4030-21	—	18	1800	30	Die/Various
MTV4030-22	—	22	1600	30	Die/Various
MTV4030-24	—	33	1400	30	Die/Various
MTV4030-26	—	47	1000	30	Die/Various

Note: Part numbers are RoHS compliant. **S** indicates these parts are also available with Space and Hi-Rel Screening & Qualification. 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
MA46H071-1088	0.75	1.0	4500	20	ODS-1088
MA46H070-1056 S	0.75	0.6	4500	20	ODS-1056
MA46H072-1056 S	0.75	3.0	3000	20	ODS-1056
MA46H073-1056 S	0.75	5.0	2200	20	ODS-1056
MA46H071-1056 S	0.75	1.0	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
MAVR-011020-1411	0.9	0.025	3000	22	Pocket Tape and Gel Pack
MAVR-000250-0287AT	1.0	2.7	450	12	ODS-287
MAVR-000250-0287FT	1.0	2.7	450	12	ODS-287
MAVR-000250-11410T	1.0	2.7	450	12	ODS-1141
MAVR-000250-1146AT	1.0	2.7	450	12	ODS-1146
MAVR-000250-1146FT	1.0	2.7	450	12	ODS-1146
MAVR-000250-12790T	1.0	2.7	450	12	SC-79
MAVR-000120-14110G	1.0	0.35	3000	20	Flip Chip Die
MAVR-000120-14110P	1.0	0.35	3000	20	Flip Chip Die
MAVR-000403-0287AT	1.0	15	250	22	ODS-287
MAVR-000405-0287FT	1.0	22	175	22	ODS-287
MAVR-000407-0287FT	1.0	33	150	22	ODS-287
MAVR-011005-12790T	1.0	0.27	—	20	SC-79
MAVR-001340-11410T	1.0	9.2	600	12	ODS-1141
MAVR-000240-11410T	1.0	3.5	450	12	SOD323 (2L)
MAVR-001320-1146FT	1.0	28.3	350	12	ODS-1146
MAVR-001350-1146FT	1.0	5.9	690	12	ODS-1146
MAVR-001330-1146FT	1.0	13.2	530	12	ODS-1146
MAVR-001350-12790T	1.0	5.9	690	12	ODS-1279
MAVR-001230-12790T	1.0	4.7	1700	12	ODS-1279
MAVR-000350-11410T	1.0	6.2	400	12	ODS-1141
MAVR-000403-0287FT	1.0	15	250	22	ODS-287
MAVR-000340-11410T	1.0	9.5	350	12	ODS-1141
MAVR-001330-12790T	1.0	13.2	530	12	ODS-1279
MAVR-000404-0287FT	1.0	18	175	22	ODS-287
MAVR-001320-11410T	1.0	28.3	350	12	ODS-1141
MAVR-000407-0287AT	1.0	33	150	22	ODS-287
MAVR-001240-12790T	1.0	3.4	1200	12	ODS-1279
MAVR-000401-0287AT	1.0	10	250	22	ODS-287
MAVR-000401-0287FT	1.0	10	250	22	ODS-287
MA4ST1231-1141T	1.0	4.7	1700	12	ODS-1141
MAVR-000409-0287FT	1.0	47	150	22	ODS-287
MAVR-001340-1146FT	1.0	9.2	600	12	ODS-1146
MAVR-001330-11410T	1.0	13.2	530	12	ODS-1141
MAVR-000120-12030W	1.0	0.35	3000	15	Flip Chip Die
MA4ST1241-1141T	1.0	3.4	1200	12	ODS-1141
MAVR-001340-12790T	1.0	9.2	600	12	ODS-1279
MA46452-134	1.0	1.0	3000	22	ODS-134 Die
MA46461-186	1.0	4.7	1500	22	ODS-186

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Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MA46H120	1.0	0.35	3000	15	Flip Chip Die
MAVR-000240-0287AT	1.0	3.5	450	12	ODS-287
MAVR-000240-1146FT	1.0	3.5	450	12	ODS-1146
MAVR-000320-11410T	1.0	28	300	12	ODS-1141
MGV100-08	1.0	0.35	4000	22	Die/Various
MGV100-09	1.0	0.45	4000	22	Die/Various
MGV100-20	1.0	0.55	4000	22	Die/Various
MGV100-26	1.0	1.7	3000	22	Die/Various
MAVR-000202-12790T	1.25	3.0	2000	22	SC-79
MA46472-134	1.25	1.0	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
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	1.0	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	3.0	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	1.0	3000	22	ODS-1088
MA46H203-1088	1.25	5.0	1500	22	ODS-1088
MA46474-95	1.25	1.5	3000	22	ODS-95
MA46H203-1056	1.25	5.0	1500	22	ODS-1056
MA46H202-1088	1.25	3.0	2000	22	ODS-1088
MA46471-134	1.25	0.7	4000	22	ODS-134 Die
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	1.0	3000	22	ODS-1056
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	5.0	450	12	ODS-287
MAVR-000083-0287AT	1.3	5.0	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 S	1.5	1.8	2500	18	ODS-134 Die
MA46418-30 S	1.5	2.7	1800	18	ODS-30
MA46H501-1056	1.5	1.0	2500	18	ODS-1056

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Varactor Tuning Diodes (continued)

Part Number	Gamma	Total Capacitance (pF)	Quality Factor @ 50 MHz, Min	Breakdown Voltage (V)	Package
MA46H504-1056	1.5	10	1200	18	ODS-1056
MA46413-120	1.5	1.0	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	5.0	1200	18	ODS-1056
MHV500	—	2.5	2600	22	Die/Various
MHV503	—	4.7	2300	22	Die/Various
MHV504	—	5.6	2200	22	Die/Various
MHV505	—	6.8	2200	22	Die/Various
MHV507	—	10	1500	22	Die/Various
MHV508	—	12	1200	22	Die/Various
MHV509	—	14.6	1000	22	Die/Various
MHV510	—	17.4	800	22	Die/Various
MHV512	—	25.4	650	22	Die/Various
MHV513	—	31	600	22	Die/Various
SMV20413	—	22	200	12	Die/Various
SMV20415	—	11.3	350	12	Die/Various
SMV20422	—	27	150	12	Die/Various

Multiplier Step Recovery Diodes

Part Number	Total Capacitance Min (pF)	Total Capacitance Max (pF)	Reverse Voltage (V)	Lifetime (Typ vs Min) (ns)	Tt (Typ vs Max) (ps)	Package
MMDB30-B11 S	0.15	0.25	14	4	30	B11
MMDB35-B11 S	0.13	0.20	16	4	35	B11
MMDB45-B11 S	0.11	0.20	25	8	40	B11
MMDB30-0402	0.25	0.32	14	4	30	0402
MMDB30-0805-2	0.26	0.33	14	4	30	0805-2
MMDB30-E28/28X	0.28	0.36	14	4	30	E28/28X
MMDB35-0402	0.22	0.28	16	4	35	0402
MMDB35-0805-2	0.23	0.29	16	4	35	0805-2
MMDB35-E28/28X	0.25	0.31	16	4	35	E28/28X
MMDB45-0402	0.21	0.28	25	8	45	0402
MMDB45-0805-2	0.22	0.29	25	8	45	0805-2
MMDB45-E28/28X	0.24	0.31	25	8	45	E28/28X

Multiplier Step Recovery Diodes

Part Number	Junction Capacitance Min (pF)	Junction Capacitance Max (pF)	Reverse Voltage (V)	Lifetime (TL Min) (ns)	Tt (Max) (ps)	Package
MSD700 S	0.2	0.4	15	8	60	Die/Various
MSD700-12	0.2	0.4	15	8	60	CS12
MSD710 S	0.2	0.4	20	11	70	Die/Various
MSD720 S	0.2	0.4	30	17	100	Die/Various
MSD701 S	0.4	0.6	15	8	60	Die/Various
MSD711 S	0.4	0.6	20	11	70	Die/Various
MSD731 S	0.4	0.6	40	21	150	Die/Various
MSD722 S	0.6	0.8	30	17	100	Die/Various
MSD703 S	0.8	1.0	15	8	60	Die/Various
MSD723 S	0.8	1.0	30	17	100	Die/Various
MSD733 S	0.8	1.0	40	21	150	Die/Various

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Multiplier Step Recovery Diodes (continued)

Part Number	Junction Capacitance Min (pF)	Junction Capacitance Max (pF)	Reverse Voltage (V)	Lifetime (TL Min) (ns)	Tt (Max) (ps)	Package
MAVR-044769-12790T	0.8	1.2	30	—	150	ODS-1279
MA144769-287T	0.8	1.2	30	—	150	ODS-287
MAVR-044769-0287FT	0.8	1.2	30	—	150	ODS-287
MSD724 S	1.0	1.4	30	17	100	Die/Various
MSD726 S	2.0	3.0	30	17	100	Die/Various
MSD736 S	2.0	3.0	40	21	150	Die/Various
MAVR-044767-0287AT	3.0	4.5	30	—	600	ODS-287
MMD0151-A15 S	—	0.8	15	—	100	A15
MMD0803-A15 S	—	6.15	70	—	400	A15
MMD0815-A15 S	—	4.15	50	—	320	A15
MMD0825-A15 S	—	2.15	45	—	160	A15
MMD0840-A15 S	—	0.75	15	—	—	A15
MMD805-0805	2.56	3.56	60	80	300	0805-2
MMD810-E28X	1.58	2.58	50	40	250	E28X
MMD810-C12 S	1.50	2.50	50	40	250	Die
MMD810-E28	1.58	2.58	50	40	250	E28
MMD810-H20 S	1.68	2.68	50	40	250	H20
MMD810-T86 S	1.68	2.68	50	40	250	T86
MMD810-T89 S	1.75	2.75	50	40	250	T89
MMD820-0805	1.06	1.76	40	30	100	0805-2
MMD820-E28X	1.08	1.78	40	30	100	E28X
MMD820-C12 S	1.00	1.70	40	30	100	Die
MMD820-E28	1.08	1.78	40	30	100	E28
MMD820-H20 S	1.18	1.88	40	30	100	H20
MMD820-T86 S	1.18	1.88	40	30	100	T86
MMD830-0805	0.56	1.06	25	15	80	0805-2
MMD830-E28X	0.58	1.08	25	15	80	E28X
MMD830-C11 S	0.50	1.00	25	15	80	Die
MMD830-E28	0.58	1.08	25	15	80	E28
MMD830-H20 S	0.68	1.18	25	15	80	H20
MMD830-T86 S	0.68	1.18	25	10	80	T86
MMD832-0805	0.46	0.86	20	10	80	0805-2
MMD832-E28X	0.48	0.88	20	10	80	E28X
MMD832-C11 S	0.40	0.80	20	10	80	Die
MMD832-E28	0.48	0.88	20	10	80	E28
MMD832-H20 S	0.58	0.98	20	10	60	H20
MMD832-T86 S	0.58	0.98	20	10	60	T86
MMD835-0805	0.36	0.86	15	10	60	0805-2
MMD835-E28X	0.38	0.88	15	10	50	E28X
MMD835-C11 S	0.30	0.70	15	10	70	Die
MMD835-E28	0.38	0.88	15	10	70	E28
MMD835-H20 S	0.42	0.92	15	10	70	H20
MMD835-T86 S	0.48	0.98	15	10	70	T86
MMD837-E28X	0.28	0.48	20	5	70	E28X
MMD837-0805	0.26	0.46	20	5	70	805-2
MMD837-C11 S	0.20	0.40	20	5	70	Die
MMD837-E28	0.28	0.48	20	5	70	E28

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Multiplier Step Recovery Diodes (continued)

Part Number	Junction Capacitance Min (pF)	Junction Capacitance Max (pF)	Reverse Voltage (V)	Lifetime (TL Min) (ns)	Tt (Max) (ps)	Package
MMD837-T86 S	0.38	0.58	20	5	70	T86
MMD840-0805	0.26	0.46	15	7	70	0805-2
MMD840-E28X	0.28	0.48	15	7	70	E28X
MMD840-C11 S	0.20	0.40	15	7	70	Die
MMD840-E28	0.28	0.48	15	7	70	E28
MMD840-H27 S	0.32	0.52	15	7	70	H27
MMD840-T86 S	0.38	0.58	15	7	70	T86
SMMD805-SOD323	2.5	3.5	60	80	300	SOD323
SMMD805-SOT23-0S	2.5	3.5	60	80	300	SOT23-0S
SMMD805-SOT23-1S	2.5	3.5	60	80	300	SOT23-1S
SMMD810-SOD323	1.5	2.5	50	40	250	SOD323
SMMD810-SOT23-0S	1.5	2.5	50	40	250	SOT23-0S
SMMD810-SOT23-1S	1.5	2.5	50	40	250	SOT23-1S
SMMD820-SOD323	1.0	1.7	40	30	125	SOD323
SMMD820-SOT23-0S	1.0	1.7	40	30	125	SOT23-0S
SMMD820-SOT23-1S	1.0	1.7	40	30	125	SOT23-1S
SMMD830-SOD323	0.5	1.0	25	15	110	SOD323
SMMD830-SOT23-0S	0.5	1.0	25	15	110	SOT23-0S
SMMD830-SOT23-1S	0.5	1.0	25	15	110	SOT23-1S
SMMD832-SOD323	0.4	0.8	20	10	100	SOD323
SMMD832-SOT23-0S	0.4	0.8	20	10	100	SOT23-0S
SMMD832-SOT23-1S	0.4	0.8	20	10	100	SOT23-1S
SMMD837-SOD323	0.2	0.4	20	5	90	SOD323
SMMD837-SOT23-0S	0.2	0.4	20	5	90	SOT23-0S
SMMD837-SOT23-1S	0.2	0.4	20	5	90	SOT23-1S
SMMD840-SOD323	0.2	0.4	15	5	90	SOD323
SMMD840-SOT23-0S	0.2	0.4	15	5	90	SOT23-0S
SMMD840-SOT23-0S	0.2	0.4	15	5	90	SOT23-0S

PIN Switch and Attenuator Diodes

Part Number	Min Freq (MHz)	Max Freq (MHz)	CW Power Dissipation (W)	Total Capacitance (pF)	Resistance (Ω)	TI (ns)	Breakdown Voltage Min (V)	Package
MA4P1450NM-1091T	1.0	300	30	1.8	0.5	8000	50	ODS-1091
MADP-011084-1134B0	5.0	400	4.0	4.5	-	55	50	Ceramic 2-1d
MADP-011048	5.0	400	4.7	3.0	0.5	200	100	4mm HQFN-8
MA4PH611	1.0	500	10	1.1	0.4	5000	1000	ODS-1091
MA4P1200NM-401T	5.0	500	5.5	1.5	0.5	8000	50	ODS-401
MA4P1250NM-1072T	5.0	500	18	1.0	0.5	8000	50	ODS-1072
MA4PK3004	DC	500	50	4.0	0.2	65000	3000	ODS-1075
MA4P607-212	1.0	500	37.5	1.3	0.4	12000	1000	ODS-212 Die
MA4P506-255	1.0	500	13.6	0.95	0.3	3000	500	ODS-255
MA4P606-36 S	1.0	500	20	0.99	0.7	4000	1000	ODS-36
MA4PK3001	DC	500	75	4.0	0.2	65000	3000	ODS-1084
MA4P607-43	1.0	500	25	2.0	0.4	5000	100	ODS-43
MA4P504-255 S	1.0	500	7.5	0.4	0.6	1000	500	ODS-255
MA4P606-258	1.0	500	20	0.98	0.7	4000	1000	ODS-258
MA4PK3000	DC	500	75	4.0	0.2	65000	3000	ODS-1073
MA4PK2001	DC	500	50	3.2	0.2	30000	2000	ODS-1082

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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 (Ω)	TI (ns)	Breakdown Voltage Min (V)	Package
MA4P505-255 S	1.0	500	10.7	0.55	0.5	2000	500	ODS-255
MA4PK3003	DC	500	50	4.0	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	0.2	65000	3000	ODS-1074
MA4P4006B-402	DC	500	12	2.2	0.5	20000	600	ODS-402
MA4P606-30 S	1.0	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 S	1.0	500	15	0.6	1.0	3000	1000	ODS-255
MA4P709-150	DC	500	75	3.3	0.3	10000	1500	ODS-150
MA4P4301B-402	DC	500	10	2.0	1.0	15000	100	ODS-402
MA4P1200-401T	5.0	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 S	1.0	500	25	2.35	0.4	5000	1000	ODS-296
MA4P504-186 S	1.0	500	7.5	0.4	0.6	1000	500	ODS-186
MA4P504-30 S	1.0	500	7.5	0.4	0.6	1000	500	ODS-30
MA4P506-258	1.0	500	13.6	0.95	0.3	3000	500	ODS-258
MA4P506-30 S	1.0	500	13.6	0.95	0.3	3000	500	ODS-30
MA4P506-31 S	1.0	500	13.6	0.95	0.3	3000	500	ODS-31
MADP-000015-000030 S	1.0	500	15	0.55	0.4	2000	500	ODS-30
MA4P7435NM-1091T	DC	1000	50	2.5	0.2	14000	1100	ODS-1091
MA4P7002B-401T	1.0	1000	5.0	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
MA4P1450-1091T	DC	1000	30	1.8	0.5	8000	50	ODS-1091
IN5719 S	1.0	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 S	1.0	1000	0.5	1.5	0.6	4000	200	ODS-146
MA4P606-4 S	1.0	1000	1.0	0.7	0.7	4000	1000	ODS-4
MA4P4301F-1091T	DC	1000	5.0	2.0	1.0	15000	100	ODS-1091
MA4P4006F-1091T	DC	1000	7.5	2.2	0.5	20000	600	ODS-1091
MA4PH239-1079T	DC	1000	1.0	0.8	6.0	2000	200	ODS-1079
MA47047-54 S	1.0	1000	0.3	0.3	1.5	1000	200	ODS-54
MA4P7102B-401T	1.0	1000	6.0	1.0	0.5	2500	200	ODS-401
MA4P7104B-401T	1.0	1000	6.0	1.0	0.5	2500	400	ODS-401
MA4P606-131 S	1.0	1000	15	0.6	0.7	4000	1000	ODS-131 Die
MA4P7101F-1072T	1.0	1000	11.5	1.0	0.5	2500	100	ODS-1072
MA44781	10	1000	1.7	1.5	0.8	200	60	ODS-1134
MA4PH237-1079T	1.0	1000	1.0	1.5	0.6	3000	200	ODS-1079
MA47208	1.0	1000	15	1.3	0.3	1300	1000	ODS-114
MA45471	10	1000	1.7	3.3	—	200	75	ODS-1134
MA4P7006B-401T	1.0	1000	5.0	0.7	0.9	5000	600	ODS-401
MA4P7101B-401	1.0	1000	6.0	1.0	0.5	2500	100	ODS-401
MA4PH238-1072T	DC	1000	1.0	0.5	6.0	2000	200	Ceramic SMT

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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 (Ω)	T1 (ns)	Breakdown Voltage Min (V)	Package
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	1.0	1000	150	1.0	0.2	3200	500	CM30
MSWSE-020-05	10	1000	20	0.62	0.3	600	250	0503
MSWSE-020-10	10	1000	30	0.37	0.8	490	250	0503
MSWSE-050-10	100	3000	50	0.53	0.4	3200	500	0805
MADP-011034-10720T	10	1500	6.0	1.0	0.4	300	150	ODS-1072
MADP-000404-10720T	100	1500	7.5	0.6	0.7	100	250	ODS-1072
MADP-000488-13740W S	100	1500	15	0.16	1.6	4000	900	ODS-1374 Die
MADP-000135-01340W S	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	3.0	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	8.0	1.0	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	0.5	2500	200	ODS-1072
MA4P7104F-1072T	DC	1500	11.5	1.0	0.5	2500	400	ODS-1072
MA4P506-1072T	DC	1500	15	1.0	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	1.0	1500	1.0	1.2	0.5	300	35	ODS-1072
MEST2G-050-80	45	1500	50	0.28	0.5	2200	500	2615
MADP-009989	30	1500	4.0	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-000165-01340W S	100	2000	50	0.06	2.5	200	200	ODS-134 Die
MADP-042508-130600 S	50	2000	1.3	0.6	0.9	310	100	ODS-1306 Die
MADP-042505-130600 S	50	2000	1.3	0.6	0.8	210	80	ODS-1306 Die
MA4P404-258	5.0	2000	7.5	0.58	0.7	1000	250	ODS-258
MA4P404-30 S	5.0	2000	7.5	0.4	0.6	1000	250	ODS-30
MA4PH236-1072T	10	2000	1.0	0.5	3.0	1500	600	ODS-1072
MA47120-54T	DC	2000	0.25	1.0	0.5	3000	35	ODS-54
MA47123-139	DC	2000	0.25	0.5	3.0	1000	200	ODS-139
MA47600-54	DC	2000	0.25	0.3	6.0	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
MA4PHI51-139T	DC	2000	0.25	1.2	0.6	1000	100	ODS-139
MA4PH301	DC	2000	0.25	1.1	1.0	4000	200	ODS-146

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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 (Ω)	TI (ns)	Breakdown Voltage Min (V)	Package
MA4PH401-54T	DC	2000	0.25	0.3	1.5	1000	50	ODS-54
MEST2G-150-10-CM32	1.0	2000	150	0.5	0.2	3000	500	CM32
MSWSE-044-10	1.0	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	2.0	400	100	SOT-23
MADP-007167-0287FT	1.0	2500	0.3	0.42	16	3000	200	SOT-23
MADP-007167-0287BT	1.0	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	1.0	2500	0.2	0.42	16	3000	200	SOD-323 (2L)
MA4P7455CA-287T	5.0	2500	0.3	0.35	3.0	1000	100	SOT-23
MADP-007167-0287GT	1.0	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	5.0	2500	2.0	0.47	3.0	1000	100	SC70 (3L)
MADP-007448-12790T	25	2500	0.2	0.35	2.0	400	100	SC-79
MADP-007167-0287DT	1.0	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	2.0	400	100	SOT-23
MADP-007448-1146GT	25	2500	0.2	0.37	2.0	400	100	SC70 (3L)
MA4P7455-287T	5.0	2500	0.3	0.47	3.0	1000	100	SOT-23
MADP-007455-0287DT	5.0	2500	0.3	0.47	3.0	400	100	SOT-23
MA4P7455ST-287T	5.0	2500	0.3	0.47	3.0	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	5.0	2500	0.2	0.47	3.0	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
MA4P7455CK-287T	5.0	2500	0.3	0.35	3.0	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	1.0	2500	15	0.68	1.0	3000	1000	ODS-258
MA4P604-30 S	1.0	2500	15	0.5	1.0	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)

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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 (Ω)	TI (ns)	Breakdown Voltage Min (V)	Package
MA4P7455ST-1146T	5.0	2500	0.3	0.47	3.0	1000	100	SC-70 (3L)
MADP-007167-0287AT	1.0	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	2.0	400	100	SOT-23
MADP-007448-0287FT	25	2500	0.3	0.37	2.0	400	100	SOT-23
MADP-007448-0287GT	25	2500	0.3	0.37	2.0	400	100	SOT-23
MADP-007448-11410T	25	2500	0.2	0.36	2.0	400	100	SOD-323 (2L)
MADP-007448-1146BT	25	2500	0.2	0.37	2.0	400	100	SC70 (3L)
MADP-007455-1146DT	5.0	2500	0.2	0.42	3.0	1000	100	SC70 (3L)
MADP-007448-1146DT	25	2500	—	0.25	2.0	—	100	SMT
MEST2G-050-45	45	2500	50	0.18	0.4	1200	500	2615
MSWSE-010-15	10	3000	10	0.21	0.8	500	200	0503
MEST2G-100-20-CM33	1.0	2600	100	—	—	2000	500	CM33
MEST2G-160-10-CM33	1.0	1000	160	—	—	5000	500	CM33
MADP-010633-13920T	25	3000	6.0	0.4	0.6	1000	500	ODS-132
MADP-010631-13920T	25	3000	5.0	1.0	0.5	200	100	ODS-1392
MADP-010630-13920T	25	3000	2.0	0.35	1.5	200	100	ODS-1392
MA4SPS422	50	3000	1.8	0.34	3.1	10000	200	SURMOUNT™ Die
MSWSE-010-15S	1.0	3000	10	0.17	0.8	650	200	0402P
MSWSE-010-16S	1.0	3000	10	0.15	0.9	1000	250	0402P
MSWSE-040-10	1.0	3000	40	0.12	0.6	700	250	0805P
MSWSE-050-17	100	3000	60	0.2	0.7	1600	500	0805P
MADP-000506-014400 S	1.0	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 S	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	5.0	4000	0.2	0.45	3.0	1000	100	SC-79
MA4P505-36 S	1.0	4000	15	0.55	0.5	2000	500	ODS-36
MA4P303-186 S	20	4000	0.3	0.35	1.5	200	200	ODS-186
MA4P203-30 S	30	4000	5.0	0.35	1.5	100	100	ODS-30
MA4P203-1056 S	30	4000	0.3	0.35	1.5	100	100	ODS-1056
MA4P303-120 S	20	4000	5.0	0.35	1.5	200	200	ODS-120
MA4P202-276	50	4000	0.3	0.25	2.5	60	100	ODS-276
MA4P506-131 S	1.0	4000	13.6	0.7	0.3	3000	500	ODS-131 Die
MA4P303-1088	20	4000	0.3	0.47	1.5	200	200	ODS-1088
MA4P202-120 S	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	1.0	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-CM32	1.0	4000	25	0.22	1.3	2000	200	CM32
MADP-007437-0287BT	5.0	5000	0.3	0.42	6.0	2000	200	SOT-23
MADP-007437-0287DT	5.0	5000	0.3	0.42	6.0	2000	200	SOT-23
MADP-007438-0287FT	5.0	5000	0.2	0.42	10	3000	200	SC70 (3L)
MADP-007438-0287DT	5.0	5000	0.3	0.42	10	3000	200	SC70 (3L)
MA4P7437-1141T	5.0	5000	0.2	0.46	6.0	2000	200	SOD-323 (2L)
MADP-007438-0287BT	5.0	5000	0.3	0.42	10	3000	200	SC70 (3L)

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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 (Ω)	T1 (ns)	Breakdown Voltage Min (V)	Package
MA4P7437-287T	5.0	5000	0.3	0.47	6.0	2000	200	SOT-23
MADP-007437-0287FT	5.0	5000	0.3	0.42	6.0	2000	200	SOT-23
MA4P7455-1141T	5.0	5000	0.2	0.46	3.0	1000	100	SOD-323 (2L)
MA4P7438-287T	5.0	5000	0.2	0.47	10	3000	200	SC70 (3L)
MA4P7438-1141T	5.0	5000	0.2	0.46	10	3000	200	SOD-323 (2L)
MA4P7437CA-287T	5.0	5000	0.3	0.47	6.0	2000	200	SOT-23
MA4P7438CA-287T	5.0	5000	0.3	0.47	10	3000	200	SC70 (3L)
MADP-042308-130600 S	50	6000	1.0	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 S	50	6000	1.0	0.14	1.3	180	80	ODS-1306 Die
MA4SPS421	50	6000	1.8	0.13	6.2	5000	200	SURMOUNT™ Die
MA4P505-131 S	1.0	6000	10.7	0.35	0.5	2000	500	ODS-131 Die
MADP-017015-1314 S	1.0	6000	5.0	0.32	0.7	1300	115	ODS-1314 Die
MADP-017025-1314 S	1.0	6000	5.0	0.23	1.0	2300	1335	ODS-1314 Die
MADP-030015-13140P S	1.0	6000	11.5	0.78	0.5	1600	115	ODS-1314 Die
MADP-030025-1314 S	1.0	6000	11.5	0.5	0.7	2800	135	ODS-1314 Die
MEST2G-020-15	100	6000	20	0.08	1.2	50	100	2012
MSWSE-005-10S	10	6000	5.0	0.08	2.0	180	200	0402P
MSWSE-005-15	10	6000	4.0	0.11	2.0	180	200	0503
MSWSH-020-30	100	6000	20	0.13	0.6	600	100	2012
MSWSH-040-30	50	6000	40	0.42	0.4	600	500	2012
MSWSH-100-30	100	6000	100	0.4	0.4	3400	700	CM22
MA4P504-144 S	1.0	8000	7.5	0.4	0.6	1000	500	ODS-144
MA4P604-131 S	1.0	8000	15	0.3	1.0	3000	1000	ODS-131 Die
MA47222 S	1.0	8000	3.8	0.4	1.6	160	150	ODS-144
MA47223 S	1.0	8000	7.5	0.4	0.6	1000	500	ODS-144
MA47418-134 S	5.0	10000	6.0	0.15	3.0	1000	200	ODS-134 Die
MA47416-132 S	DC	10000	5.0	0.15	6.0	2000	200	ODS-132 Die
MA4P504-132 S	1.0	10000	7.5	0.2	0.6	1000	500	ODS-132 Die
MA4P404-132 S	5.0	10000	7.5	0.2	0.7	600	250	ODS-132 Die
MEST2G-010-20	100	10000	10	0.3	1.5	50	125	2012
MEST2G-080-25-CM27	1.0	10000	80	0.3	1.0	1550	500	CM27
MEST2G-150-20-CM26	1.0	10000	3.0	0.19	1.8	1800	500	CM26
MSAT-N25	100	10000	2.0	—	1.5	3000	200	2012
MSAT-P25	100	10000	2.0	—	1.5	3000	200	2012
MSWSHC-040-40	50	10000	40	0.5	—	3000	300	2615
MADP-011028-14150T	50	12000	4.3	0.24	3.4	2000	200	1.5 x 1.2 mm TDFN-6
MADP-011027-14150T	50	12000	3.3	0.24	1.9	1000	100	1.5 x 1.2 mm TDFN-6
MADP-011029-14150T	50	12000	7.5	0.31	1.5	1000	400	1.5 x 1.2 mm TDFN-6
MADP-042908-130600 S	50	16000	0.8	0.06	3.1	230	100	ODS-1306 Die
MADP-042905-130600 S	50	16000	0.8	0.06	3.1	140	80	ODS-1306 Die
MADP-000402-12530G S	50	18000	1.0	0.04	5.0	200	1000	ODS-1253 Die
MADP-000402-12530P S	50	18000	1.0	0.04	4.5	200	70	ODS-1253 Die
MADP-064908-131000 S	50	18000	1.0	0.05	5.0	200	100	ODS-1310 Die
MA4PBL027 S	100	18000	0.2	0.03	4.0	150	90	Beam Lead Die
MA4P7493-134 S	50	18000	2.5	0.05	1.8	80	150	ODS-134 Die
MA4SPS402 S	50	18000	1.0	0.04	5.0	200	100	ODS-1253 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 (Ω)	T1 (ns)	Breakdown Voltage Min (V)	Package
MA4PI6I-134 S	100	18000	2.3	0.1	1.5	150	100	ODS-134 Die
MA4P203-134 S	30	18000	5.0	0.15	1.5	100	100	ODS-134 Die
MA4P303-134 S	20	18000	5.0	0.15	1.5	200	200	ODS-134 Die
MA4FCP305	100	24000	0.2	0.06	2.1	25	40	ODS-1269 Die
MA4SPS552 S	50	26000	1.0	0.06	1.7	2500	200	ODS-1270
MA4SPS502 S	1.0	26000	35	0.14	2.4	2800	275	ODS-1270
MA4SPS302 S	1.0	26000	0.8	0.4	1.3	460	100	SURMOUNT™ Die
MSWSH-020-24	100	26000	2.0	—	—	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 S	100	40000	0.1	0.02	4.0	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	3.0	2	50	Die
MA4GP022 S	100	40000	0.3	0.15	1.0	20	50	ODS-277
MA4GP030 S	100	40000	0.3	0.06	2.0	25	100	ODS-277
MGPNI503-C01A S	100	26000	—	0.03	3.0	10	205	C01A
MMP7010 S	200	14000	—	0.1	1.0	10	25	Die/Various
MMP7011 S	200	12000	—	0.15	0.8	10	25	Die/Various
MMP7020 S	1.0	18000	—	0.05	1.2	60	70	Die/Various
MMP7021 S	1.0	14000	—	0.1	1.0	60	70	Die/Various
MMP7022 S	1.0	10000	—	0.15	0.9	60	70	Die/Various
MMP7023 S	1.0	8000	—	0.2	0.7	60	70	Die/Various
MMP7024 S	1.0	6000	—	0.25	0.5	60	70	Die
MMP7025 S	1.0	18000	—	0.03	1.9	100	100	Die/Various
MMP7026	1.0	14000	—	0.07	1.5	100	100	Die/Various
MMP7027	1.0	14000	—	0.1	1.2	100	100	Die/Various
MMP7028	1.0	10000	—	0.15	1.0	100	100	Die/Various
MMP7031	1.0	18000	—	0.03	3.0	225	200	Die/Various
MMP7033	1.0	14000	—	0.1	1.6	225	200	Die/Various
MMP7034	1.0	10000	—	0.15	1.0	225	200	Die/Various
MMP7035	1.0	8000	—	0.2	0.8	225	200	Die/Various
MMP7036	1.0	5000	—	0.3	0.7	225	200	Die/Various
MMP7040	1.0	15000	—	0.03	2.6	400	200	Die/Various
MMP7041	1.0	12000	—	0.07	1.5	400	200	Die/Various
MMP7060	0.5	16000	—	0.05	2.0	1000	250	Die/Various
MMP7061	0.5	14000	—	0.08	1.5	1000	250	Die/Various
MMP7062	0.5	12000	—	0.1	1.2	1000	250	Die/Various
MMP7063	0.5	8000	—	0.2	1.0	1000	250	Die/Various
MMP7064	0.5	6000	—	0.3	0.8	1500	250	Die/Various
MMP7065	0.5	14000	—	0.08	1.5	1500	500	Die/Various
MMP7066	0.5	12000	—	0.1	1.2	1500	500	Die/Various
MMP7067	0.5	8000	—	0.2	1.0	1500	500	Die/Various

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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 (Ω)	TI (ns)	Breakdown Voltage Min (V)	Package
MMP7068	0.5	4000	—	0.3	0.8	2000	500	Die/Various
MMP7071 S	0.1	100	—	2.0	1.0	8000	100	Die/Various
MMP7071-127-4	0.1	100	5.0	2.0	1.0	8000	100	CS127-4
MMP7071-128-4	0.1	100	5.0	2.0	1.0	8000	100	CS128-4
MMP7078 S	0.1	100	—	1.0	0.5	2500	400	Die/Various
MMP7078-127-1	0.1	100	5.0	1.0	0.5	2500	400	CS127-1
MMP7078-128-1	0.1	100	5.0	1.0	0.5	2500	400	CS128-1
MMP7080	0.1	150	—	0.7	0.8	3000	600	Die/Various
MMP7080-127-1	0.1	150	5.0	0.7	0.8	3000	600	CS127-1
MMP7080-128-1	0.1	150	5.0	0.7	0.8	3000	600	CS128-1
MMP7089-127-1	0.1	500	5.0	0.5	0.6	1000	500	CS127-1
MMP7089-128-1	0.1	500	5.0	0.5	0.6	1000	500	CS128-1
MMP7092 S	1.0	6000	—	0.2	0.6	1000	500	Die/Various
MMPN080045 S	2000	20000	—	—	—	—	200	C50
MMPN080150 S	2000	35000	—	—	—	—	200	C51
MMSPN050-C53 S	1000	40000	40	—	0.6	4000	200	C53
MMSPN050-C54 S	1000	40000	40	—	0.6	4000	200	C54
MNP0008 S	100	12000	1.0	0.08	2.0	150	100	C12p
MNP0008-ET47P	100	12000	1.0	0.48	2.0	150	100	ET47p
MNP0008-T54P S	100	12000	0.25	0.28	2.0	150	100	T54p
MNP0008-T55P S	100	12000	0.25	0.21	2.0	150	100	T55p
MNP0008-T89P S	100	12000	0.25	0.33	2.0	150	100	T89p
MNP0010 S	10	12000	1.0	0.08	2.0	300	150	C12p
MNP0010-ET47P	10	12000	1.0	0.48	2.0	300	150	ET47p
MNP0010-T54P S	10	12000	0.25	0.28	2.0	300	150	T54p
MNP0010-T55P S	10	12000	0.25	0.21	2.0	300	150	T55p
MNP0010-T89P S	10	12000	0.25	0.33	2.0	300	150	T89p
MNP0012 S	5.0	12000	1.0	0.08	3.5	350	300	C12p
MNP0012-ET47P	5.0	12000	1.0	0.48	3.5	350	300	ET47p
MNP0012-T54P S	5.0	12000	0.25	0.28	3.5	350	300	T54p
MNP0012-T55P S	5.0	12000	0.25	0.21	3.5	350	300	T55p
MNP0012-T89P S	5.0	12000	0.25	0.33	3.5	350	300	T89p
MNP0012A S	5.0	8000	1.0	0.18	0.6	650	350	C22p
MNP0012A-ET47P	5.0	8000	1.0	0.58	0.6	650	350	ET47p
MNP0012A-T54P S	5.0	8000	0.25	0.36	0.6	650	350	T54p
MNP0012A-T55P S	5.0	8000	0.25	0.31	0.6	650	350	T55p
MNP0012A-T89P S	5.0	8000	0.25	0.43	0.6	650	350	T89p
MNP0014 S	1.0	10000	1.5	0.12	1.3	750	500	C22p
MNP0014-ET47P	1.0	10000	0.5	0.52	0.8	750	450	ET47p
MNP0014-T54P S	1.0	10000	0.1	0.32	0.8	750	450	T54p
MNP0014-T55P S	1.0	10000	0.1	0.25	0.8	750	450	T55p
MNP0014-T89P S	1.0	10000	0.1	0.37	0.8	750	450	T89p
MNP0014A S	1.0	10000	0.1	0.18	0.8	1400	500	C32p
MPNI000-12	500	26000	0.1	0.02	6.5	80	100	Beam Lead
MPNI002-12	500	20000	0.1	0.03	5.5	80	100	Beam Lead
MPNI003-12	500	18000	0.1	0.035	5.0	80	100	Beam Lead
MPNI005-12	500	18000	0.1	0.048	5.0	80	100	Beam Lead

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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 (Ω)	TI (ns)	Breakdown Voltage Min (V)	Package
MPN1100-12	500	22000	0.1	0.025	6.0	50	50	Beam Lead
MPN1103-12	500	17000	0.1	0.06	4.0	50	50	Beam Lead
MPN3001 S	—	2000	—	0.25	1.0	—	200	A15
MPN3002 S	—	2000	—	0.25	1.0	—	300	A15
MPN4165 S	—	2000	—	0.3	1.5	—	100	A15
MPN7302 S	500	12000	1.0	0.08	1.2	8	20	C11
MPN7302-0805	500	10000	1.0	0.14	1.2	8	20	0805-2
MPN7302-E28/28X	500	10000	1.0	0.16	1.2	8	20	E28/28X
MPN7302-H20 S	500	6000	1.0	0.26	1.2	8	20	H20
MPN7306 S	100	12000	1.0	0.08	1.2	50	70	C12
MPN7306-0805	100	10000	1.0	0.14	1.2	50	70	0805-2
MPN7306-E28/28X	100	10000	1.0	0.16	1.2	50	70	E28/28X
MPN7306-H20 S	100	6000	1.0	0.26	1.2	50	70	H20
MPN73120 S	5.0	6000	1.0	0.3	0.5	4	700	C32
MPN7312A S	20	12000	1.0	0.08	1.2	150	120	C12
MPN7312A-0805	20	10000	1.0	0.14	1.2	150	120	0805-2
MPN7312A-E28/28X	20	10000	1.0	0.16	1.2	150	120	E28/28X
MPN7312A-H20 S	20	6000	1.0	0.26	1.2	150	120	H20
MPN7312B S	20	12000	1.0	0.18	0.8	250	120	C12
MPN7312B-0805	20	10000	1.0	0.24	0.8	250	120	0805-2
MPN7312B-E28/28X	20	10000	1.0	0.26	0.8	250	120	E28/28X
MPN7312B-H20 S	20	6000	1.0	0.36	0.8	250	120	H20
MPN7315 S	10	12000	1.0	0.08	1.2	180	150	C12
MPN7315-0805	10	10000	1.0	0.14	1.2	180	150	0805-2
MPN7315-E28/28X	10	10000	1.0	0.16	1.2	180	150	E28/28X
MPN7315-H20 S	10	6000	1.0	0.26	1.2	180	150	H20
MPN7320 S	5.0	12000	1.0	0.02	3.0	120	150	C01
MPN7320-0805-2	5.0	10000	1.0	0.08	3.0	120	150	0805-2
MPN7320-E28/28X	5.0	10000	1.0	0.1	3.0	120	150	E28/28X
MPN7320-H20 S	5.0	6000	1.0	0.2	3.0	120	150	H20
MPN7345 S	5.0	6000	4.0	0.3	0.3	500	300	C40
MPN7360 S	1.0	6000	10	0.8	0.2	2500	600	C37
MPN7370 S	1.0	6000	10	2.0	0.2	5000	700	C39
MPN7380 S	1.0	6000	10	0.4	0.3	2500	800	C38
MPN7420 S	1.0	6000	2.5	0.06	1.0	1000	400	C12
MPN7453A S	1.0	6000	3.0	0.1	0.7	700	300	C22
MPN7453B S	1.0	6000	3.0	0.15	0.6	2500	400	C22
MPN7453C S	1.0	6000	3.0	0.18	0.4	1000	300	C22
MPND4005-0402	100	12000	0.25	0.07	5.5	125	100	0402
MPND4005-B16	100	20000	0.25	0.018	5.5	125	100	B16
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
SMPN7335-SOD323	5.0	1200	0.75	0.3	1.5	500	200	SOD323
SMPN7335-SOT23	5.0	1000	0.75	0.3	1.5	500	200	SOT23

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PIN Limiter Diodes							
Part Number	Incident Power, Max (W)	Thermal Resistance	Junction Capacitance (pF)	Resistance (Ω)	Lifetime (ns)	Vb (V)	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 S	50	100	0.2	1.5	5	20 – 45	Die/Various
MLP7130 S	50	120	0.12	2.0	5	15 – 30	Die/Various
MLP7130-0805-2	50	120	0.12	2.0	5	15 – 30	Die/Various
MLP7140 S	50	100	0.12	2.0	7	30 – 40	Die/Various
MADL-000011-13880G S	80	175	0.18	2.1	10	—	ODS-13880G Die
MA4L011-31 S	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 S	80	175	0.33	2.1	10	—	ODS-186
MA4L011-134 S	80	175	0.18	2.1	10	—	ODS-134 Die
MA4L011-1056 S	80	175	0.38	2.1	10	—	ODS-1056
MA4L011-30 S	80	175	0.36	2.1	10	—	ODS-30
MA4L011-32 S	80	175	0.48	2.1	10	—	ODS-32
MADL-011021-14210G S	90	175	0.2	2.1	10	—	ODS-1056
MADL-011009-01340W S	90	175	0.23	1.5	10	—	ODS-134
MADL-000021-003000 S	90	175	0.38	21	10	—	ODS-30
MA4L022-120 S	90	175	0.32	2.0	10	—	ODS-120
MA4L022-137	90	175	0.33	2.0	10	—	ODS-137
MA4L022-1056 S	90	175	0.39	2.0	10	—	ODS-1056
MA4L022-30 S	90	175	0.37	2.0	10	—	ODS-30
MA4L022-186 S	90	175	0.34	2.0	10	—	ODS-186
MA4L021-134 S	90	175	0.2	2.1	10	—	ODS-134 Die
MA4L022-134 S	90	175	0.19	2.0	10	—	ODS-134 Die
MADL-04L401-0113W0 S	—	25	0.3	1.2	800	—	ODS-134 Die
MADL-000301-0113W0 S	—	30	0.2	1.5	200	—	ODS-134 Die
MADL-04L062-0113W0 S	—	150	0.15	2.5	10	—	ODS-134 Die
MA4L021-120 S	90	175	0.33	2.1	10	—	ODS-120
MA4L021-1056 S	90	175	0.4	2.1	10	—	ODS-1056
MA4L021-31 S	90	175	0.38	2.1	10	—	ODS-31
MA4L022-32 S	90	175	0.49	2.0	10	—	ODS-32
MADL-011023-14150T	100	175	0.2	1.3	10	—	1.5 x 1.2 mm TDFN-6
MLP7101 S	100	80	0.5	1.2	10	20 – 45	Die/Various
MLP7102 S	100	55	0.7	1.0	10	20 – 45	Die/Various
MLP7131 S	100	80	0.2	1.5	5	15 – 30	Die/Various
MLP7141 S	100	70	0.2	1.5	7	30 – 60	Die/Various
MADL-011010-01340W S	125	150	0.24	1.5	15	—	ODS-134
MADL-000031-13880G S	125	150	0.21	2.1	20	—	ODS-1388
MA4L032-186 S	125	150	0.35	2.5	15	—	ODS-186
MA4L031-31 S	125	150	0.39	2.0	20	—	ODS-31
MA4L031-186 S	125	150	0.36	2.0	20	—	ODS-186
MA4L031-134 S	125	150	0.21	2.0	20	—	ODS-134 Die
MA4L032-1056 S	125	150	0.4	2.5	15	—	ODS-1056
MA4L032-134 S	125	150	0.2	2.5	15	—	ODS-134 Die
MA4L031-1056 S	125	150	0.41	2.0	20	—	ODS-1056
MA4L032-31 S	125	150	0.38	2.5	15	—	ODS-31

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PIN Limiter Diodes (continued)

Part Number	Incident Power, Max (W)	Thermal Resistance	Junction Capacitance (pF)	Resistance (Ω)	Lifetime (ns)	Vb (V)	Package
MA4L032-32 S	125	150	0.5	2.5	15	—	ODS-32
MADL-000032-003000 S	125	150	0.21	2.1	20	—	ODS-3000
MADL-011011-01340W S	200	150	0.17	2.3	10	—	ODS-134
MADL-000062-13880G S	200	150	0.15	2.5	10	—	ODS-13880G Die
MADL-000062-105600 S	200	150	0.35	2.5	10	—	ODS-1056
MA4L062-134 S	200	150	0.15	2.5	10	—	ODS-134 Die
MLP7110 S	200	80	0.2	1.5	10	45 – 75	Die/Various
MADL-000101-13880G S	250	30	0.15	2.0	90	—	ODS-13880G Die
MA4L101-134 S	250	30	0.15	2.0	90	—	ODS-134 Die
MA4L101-186 S	250	30	0.3	2.0	90	—	ODS-186
MA4L101-30 S	250	30	0.33	2.0	90	—	ODS-30
MLP7111 S	400	60	0.5	1.2	15	45 – 75	Die/Various
MADL-000301-01340W S	500	30	0.2	1.5	200	—	ODS-134 Die
MA4L301-1056 S	500	30	0.4	1.5	200	—	ODS-1056
MA4L301-31 S	500	30	0.38	1.5	200	—	ODS-31
MADL-000301-13870G S	500	30	0.2	1.5	200	—	ODS-1370
MADL-011052-14280W S	500	36	0.19	2.0	222	—	ODS-134 Die
MLP7112 S	795	40	0.7	1.0	20	45 – 75	Die/Various
MA4L401-1056 S	1000	25	0.5	1.2	800	—	ODS-1056
MA4L401-31 S	1000	25	0.48	1.2	800	—	ODS-31
MA4L401-134 S	1000	25	0.3	1.2	800	—	ODS-134 Die
MA4L401-30 S	1000	25	0.48	1.2	800	—	ODS-30
MA4L401-120 S	1000	25	0.43	1.2	800	—	ODS-32
MADL-000401-13870G S	1000	25	0.3	1.2	800	—	ODS-13870G Die
MLP7120 S	1000	40	0.2	1.5	50	120 – 180	Die/Various
MLP7120-2012	1000	45	0.2	1.5	50	120 – 180	2012
MLP7121 S	2000	20	0.6	1.0	50	120 – 180	Die/Various
MLP7122 S	4000	15	0.8	0.5	100	120 – 180	Die/Various

Schottky Mixer and Detector Diodes

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ω)	Vf (mV)	Vb (V)	Package
MA4E932A-186 S	DC	18	—	40	—	1	ODS-186
MA4E932B-186 S	DC	18	—	40	—	1	ODS-186
MA4E929B-119 S	DC	18	—	40	—	1	ODS-119
MA4E929A-119 S	DC	18	—	40	—	1	ODS-119
MADS-002811-00540T S	DC	3000	1.2	—	—	15	ODS-55
1N5711 S	DC	3000	2.0	35	410	70	ODS-54
MA4E2812-54 S	DC	3000	1.2	—	550	20	ODS-57
MA4E2811 S	DC	3000	1.2	—	410	15	ODS-56
MA40261 S	DC	3000	—	—	—	—	ODS-186
MADS-005711-0054MT S	DC	3000	2.0	—	410	70	ODS-54
MA4E1338B1-1146T	DC	4000	1.0	—	360	8	SC70 (3L)/SOT-323
MA4E1339A1-1141T	DC	4000	1.2	—	410	20	SOD323 (2L)
MADS-001340-12790T	DC	4000	2.0	—	410	70	SC-79
MA4E2200D1-287T	DC	4000	0.25	—	120	1.5	SOT23
MADS-003000-1292LT	DC	4000	0.5	7.0	245	—	ODS-1292
MA4E1338A1-1141T	DC	4000	1.0	—	360	8	SOD323 (2L)

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Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ω)	Vf (mV)	Vb (V)	Package
MA4E1340A1-287T	DC	4000	2.0	—	410	70	SOT23
MADS-003000-1292HT	DC	4000	0.5	6	—	—	ODS-1292
MA4E2200A1-1141T	DC	4000	0.15	25	—	1.5	SOD323 (2L)
MA4E1340B1-1146T	DC	4000	2.0	—	—	70	SC70 (3L)/SOT-323
MADS-001339-12790T	DC	4000	1.2	—	410	2.0	SC-79
MADS-001338-12790T	DC	4000	1.0	—	—	3.0	SC-79
MA4E20541-1279T	DC	4000	0.3	17	300	3.0	SC-79
MADS-002200-12790T	DC	4000	0.25	—	—	1.5	SC-79
MA4E2200B1-287T	DC	4000	0.25	25	—	1.5	SOT23
MA4E2054B1-1146T	DC	4000	0.3	17	—	3.0	SC70 (3L)/SOT-323
MA4E1339B1-287T	DC	4000	1.2	—	410	3.0	SOT23
MA4E2054A1-287T	DC	4000	0.3	17	300	3.0	SOT23
MA4E20541-1141T	DC	4000	0.3	17	300	3.0	SOD323 (2L)
MA4E1338A1-287T	DC	4000	1.0	—	360	8.0	SOT23
MA4E1340A1-1141T	DC	4000	2.0	—	410	70	SOD323 (2L)
MA4E2054D1-287T	DC	4000	0.3	17	300	3.0	SOT23
MA4E2054B1-287T	DC	4000	0.3	17	300	3.0	SOT23
MA4E1338A1-1146T	DC	4000	1.0	—	360	8.0	SOT-323
MA4E1338B1-287T	DC	4000	1.0	—	360	8.0	SOT23
MA4E1339A1-1146T	DC	4000	1.2	—	410	20	SC70 (3L)/SOT-323
MA4E1339A1-287T	DC	4000	1.2	—	410	20	SOT23
MA4E1339B1-1146T	DC	4000	1.2	—	410	20	SC70 (3L)/SOT-323
MA4E1340A1-1146T	DC	4000	2.0	—	410	70	SC70 (3L)/SOT-323
MA4E1340B1-287T	DC	4000	2.0	—	410	70	SOT23
MADS-011010-1415	DC	6000	0.34	7	—	3.0	1.5x 1.2mm TDFN-6
MA40205-119 S	DC	10000	—	—	—	3.0	ODS-119
MA4E931Z2-1261A S	DC	10000	—	—	150	3.0	DIE
MA4E2054L-1261 S	DC	10000	0.3	17	300	3.0	ODS-1261
MA40201-119 S	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 S	DC	10000	0.32	—	—	3.0	ODS-186
MADS-011010-1419	DC	10000	0.15	40	—	1.5	ODS-1419
MA40215-120 S	DC	16000	0.32	—	—	5.0	ODS-1200
MADS-011030-14280W S	DC	16000	0.33	6.5	100	3.5	Die
MADS-002545-1307MG	DC	18000	0.11	10	—	5.0	ODS-1307
MADS-002545-1307LG	DC	18000	0.11	11	—	5.0	ODS-1307
MADS-002545-1307HG	DC	18000	0.11	10	—	5.0	ODS-1307
SMS202	DC	18000	0.2	80	120	1.0	0503
MADS-002502-1246HP	DC	26000	0.12	11	700	3.0	ODS-1246
MADS-002502-1246LP	DC	26000	0.12	16	330	3.0	ODS-1246
MADS-002502-1246MP	DC	26000	0.12	12	470	3.0	ODS-1246
MA4E2513L-1289 S	DC	26000	0.12	10	330	3.0	ODS-1289
MA4E2508H-1112 S	DC	26000	0.24	15	700	5.0	ODS-1112
MA4E2501L-1290 S	DC	26000	0.12	10	330	5.0	ODS-1290

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Schottky Mixer and Detector Diodes (continued)							
Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ω)	Vf (mV)	Vb (V)	Package
MA4E2532M-1113 S	DC	26000	0.16	10	470	5.0	ODS-1113
MA4E2508M-1112 S	DC	26000	0.24	12	470	5.0	ODS-1112
MA4E2514L-1116 S	DC	26000	0.12	16	330	3.0	ODS-1116
MA4E2508L-1112 S	DC	26000	16	0.24	330	5.0	ODS-1112
MA4E2514M-1116 S	DC	26000	0.12	12	470	3.0	ODS-1116
MA4E2502H-1246 S	DC	26000	0.12	11	700	3.0	ODS-1246
MA4E2502M-1246 S	DC	26000	0.12	12	470	3.0	ODS-1246
MA4E2502L-1246 S	DC	26000	0.12	16	330	3.0	ODS-1246
MADS-002501-1290LP	DC	26000	0.12	10	330	3.0	ODS-1290
SMGS11	DC	26500	0.13	7.0	—	4.5	0503
SMGS21	DC	26500	0.13	7.0	—	4.5	0503
SMS201	DC	26500	0.1	80	120	1.0	0503
MA4E2039 S	DC	60000	0.05	4.0	800	4.5	Beam Lead
MA4E2040 S	DC	60000	0.05	4.0	800	4.5	Beam Lead
MA4E2037 S	DC	60000	0.05	4.0	800	4.5	Beam Lead
MADS-001317-1500AG	DC	80000	0.05	4.0	800	4.5	ODS-1500
MADS-001317-1500AP	DC	80000	0.05	4.0	800	7.0	ODS-1500
MA4E2160	DC	80000	0.05	4.0	800	7.0	ODS-1262
MA4E1318	DC	80000	0.09	4.0	800	4.5	ODS-1197
MA4E1317	DC	80000	0.05	4.0	800	4.5	ODS-1278
MA4E1319-1	DC	80000	0.05	4.0	800	4.5	ODS-1199
MA4E1319-2	DC	80000	0.05	4.0	800	4.5	ODS-1200
MADS-001318-1197HP	DC	80000	0.09	4.0	800	7.0	Tape and Reel
MA4E1310	DC	110000	0.04	7.0	800	7.0	ODS-1278
IN5819	—	—	—	110	340	30	DO-7
MGR700 S	DC	1000	1.2	—	340	8.0	Die/Variou
MGR701 S	DC	1000	1.0	—	340	8.0	Die/Variou
MGR702 S	DC	1000	1.2	—	550	20	Die/Variou
MGR703 S	DC	1000	1.0	—	410	20	Die/Variou
MGR704 S	DC	1000	2.0	—	—	70	Die/Variou
MGR705 S	DC	1000	1.2	—	410	70	Die/Variou
MGS802	DC	60000	0.1	7.0	750	5.0	Flip Chip
MGS802A	DC	60000	0.15	5.0	750	5.0	Flip Chip
MGS803	DC	60000	0.06	7.0	750	5.0	Flip Chip
MGS901 S	DC	60000	0.06	7.0	750	5.0	Beam Lead
MGS902 S	DC	60000	0.1	7.0	750	5.0	Beam Lead
MGS903 S	DC	60000	0.06	7.0	750	5.0	Beam Lead
MGS904 S	DC	60000	0.06	7.0	750	5.0	B85
MGS904A S	DC	60000	0.08	5.0	750	5.0	B85
MGS905 S	DC	60000	0.06	7.0	750	5.0	B86
MGS906 S	DC	60000	0.04	14	1500	10	B90
MGS907 S	DC	60000	0.04	14	1500	10	B85
MGS907A S	DC	60000	0.06	12	1500	10	B85
MGS907B S	DC	60000	0.08	10	1500	10	B85
MGS908 S	DC	60000	0.04	14	1500	10	B86
MGS909 S	DC	60000	0.1	21	2100	15	B90

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Schottky Mixer and Detector Diodes (continued)

Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ω)	Vf (mV)	Vb (V)	Package
MGS910 S	DC	60000	0.1	21	2100	15	B87
MGS911 S	DC	60000	0.1	21	2100	15	B88
MGS912 S	DC	60000	0.03	28	2900	20	B89
MSS20-046-0805	DC	20000	0.2	80	—	0.8	0805-2
MSS20-046-C15 S	DC	18000	0.1	80	—	0.8	C15P
MSS20-046-E25	DC	18000	0.2	80	—	0.8	E25
MSS20-046-H27 S	DC	18000	0.25	80	—	0.8	H27
MSS20-046-T86 S	DC	12000	0.31	80	—	0.8	T86p
MSS20-047-0805	DC	20000	0.2	80	—	0.8	0805-2
MSS20-047-C15 S	DC	18000	0.1	80	—	0.8	C15P
MSS20-047-E25	DC	18000	0.2	80	—	0.8	E25
MSS20-047-H27 S	DC	18000	0.25	80	—	0.8	H27
MSS20-047-T86 S	DC	12000	0.31	80	—	0.8	T86p
MSS20-050-0805	DC	18000	0.25	80	—	0.8	0805-2
MSS20-050-C15 S	DC	12000	0.15	80	—	0.8	C15P
MSS20-050-E25	DC	12000	0.25	80	—	0.8	E25
MSS20-050-H27 S	DC	12000	0.3	80	—	0.8	H27
MSS20-050-T86 S	DC	12000	0.36	80	—	0.8	T86p
MSS20-051-0805	DC	18000	0.25	80	—	0.8	0805-2
MSS20-051-C15 S	DC	12000	0.15	80	—	0.8	C15P
MSS20-051-E25	DC	12000	0.25	80	—	0.8	E25
MSS20-051-H27 S	DC	12000	0.3	80	—	0.8	H27
MSS20-051-T86 S	DC	12000	0.36	80	—	0.8	T86p
MSS20-054-0805 S	DC	12000	0.3	80	—	0.8	0805-2
MSS20-054-C15 S	DC	8000	0.2	80	—	0.8	C15P
MSS20-054-E25	DC	8000	0.3	80	—	0.8	E25
MSS20-054-H27 S	DC	8000	0.35	80	—	0.8	H27
MSS20-054-T86 S	DC	8000	0.41	80	—	0.8	T86p
MSS20-055-0805	DC	12000	0.3	80	—	0.8	0805-2
MSS20-055-C15 S	DC	8000	0.2	80	—	0.8	C15P
MSS20-055-E25	DC	8000	0.3	80	—	0.8	E25
MSS20-055-H27 S	DC	8000	0.35	80	—	0.8	H27
MSS20-055-T86 S	DC	8000	0.41	80	—	0.8	T86p
MSS20-140-0402	DC	26000	0.15	80	—	0.8	0402
MSS20-140-B10D S	DC	40000	0.08	80	—	0.8	B10D
MSS30-448-B42 S	DC	18000	0.15	15	300	2.0	B42
MSS30-448-E45	DC	18000	0.26	15	300	2.0	E45
MSS30-448-H40 S	DC	18000	0.35	15	300	2.0	H40
MSS30-454-B40 S	DC	18000	0.25	12	300	2.0	B40
MSS30-454-E45	DC	18000	0.35	12	300	2.0	E45
MSS30-454-H40 S	DC	18000	0.46	12	300	2.0	H40
MSS30-B46-B45 S	DC	18000	0.125	25	300	2.0	B45
MSS30-B46-E45	DC	18000	0.25	25	300	2.0	E45
MSS30-B46-H40 S	DC	18000	0.35	25	300	2.0	H40
MSS30-B53-B45 S	DC	18000	0.25	15	300	2.0	B45
MSS30-B53-E45	DC	18000	0.35	15	300	2.0	E45
MSS30-B53-H40 S	DC	18000	0.46	15	300	2.0	H40

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Schottky Mixer and Detector Diodes (continued)							
Part Number	Min Frequency (MHz)	Max Frequency (MHz)	Total Capacitance (pF)	Dynamic Resistance (Ω)	Vf (mV)	Vb (V)	Package
MSS30-CR46-B49	DC	18000	0.125	22	300	2.0	B49
MSS30-CR46-E45	DC	18000	0.22	22	300	2.0	E45
MSS30-CR46-H40 S	DC	18000	0.33	22	300	2.0	H40
MSS30-CR53-B49 S	DC	18000	0.25	15	300	2.0	B49
MSS30-CR53-E45	DC	18000	0.35	15	300	2.0	E45
MSS30-CR53-H40	DC	18000	0.45	15	300	2.0	H40
MSS30-PCB46-B48 S	DC	18000	0.12	20	300	2.0	B48
MSS39-045-C15 S	DC	18000	0.1	—	400	5.0	C15p
MSS39-045-P55	DC	18000	0.26	—	400	5.0	P55p
MSS39-045-P86 S	DC	18000	0.27	—	400	5.0	P86p
MSS39-048-C15	DC	12000	0.15	—	400	5.0	C15p
MSS39-048-P55 S	DC	12000	0.3	—	400	5.0	P55p
MSS39-048-P86 S	DC	12000	0.32	—	400	5.0	P86p
MSS39-144-0402	DC	18000	0.16	—	380	3.5	0402
MSS39-144-0805	DC	18000	0.17	—	380	3.5	0805-2
MSS39-144-B10B S	DC	40000	0.08	—	380	3.5	B10Bp
MSS39-144-H27 S	DC	18000	0.24	—	380	3.5	H27
MSS39-146-0402	DC	18000	0.18	—	380	3.5	0402
MSS39-146-0805	DC	18000	0.20	—	380	3.5	0805-2
MSS39-146-B10B S	DC	26000	0.1	—	380	3.5	B10Bp
MSS39-146-H27 S	DC	18000	0.25	—	380	3.5	H27
MSS39-148-0402	DC	18000	0.2	—	380	3.5	0402
MSS39-148-0805	DC	18000	0.22	—	380	3.5	0805-2
MSS39-148-B10B S	DC	18000	0.12	—	380	3.5	B10Bp
MSS39-148-E25	DC	18000	0.22	—	380	3.5	E25
MSS39-148-H20 S	DC	12000	0.33	—	380	3.5	H20
MSS39-152-0402	DC	18000	0.25	—	380	3.5	0402
MSS39-152-0805	DC	18000	0.27	—	380	3.5	0805-2
MSS39-152-B10B S	DC	12000	0.18	—	380	3.5	B10Bp
MSS39-152-E25	DC	12000	0.28	—	380	3.5	E25
MSS39-152-H20 S	DC	18000	0.36	—	380	3.5	H20
MSS40-045-C15 S	DC	18000	0.12	15	420	3.0	C15
MSS40-045-P55 S	DC	18000	0.28	15	420	3.0	P55
MSS40-045-P86 S	DC	18000	0.3	15	420	3.0	P86
MSS40-048-C15 S	DC	18000	0.15	15	420	3.0	C15
MSS40-048-P55	DC	18000	0.3	15	420	3.0	P55

Schottky THz Barrier Diodes

Part Number	Cutoff Frequency (THz)	Total Capacitance (fF)	Resistance (Ω)	Configuration (mV)
MADZ-011001	.27	40	3.4	Single
MADZ-011002	1.0	49	3.5	Single
MADZ-011003	1.0	49	3.5	Anti parallel
MADZ-011004	1.0	49	3.5	Reverse tee
MADZ-011005	1.0	49	3.5	Unconnected anti-parallel pair

Note: Part numbers are RoHS compliant. **S** indicates these parts are also available with Space and Hi-Rel Screening & Qualification. 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.



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