



SHX Microwave Solutions

5G and New Products

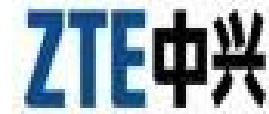
Company Resources



- ▼ Company location: Shanghai, China (1993)
- ▼ Registered capital: About US\$ 5 million
- ▼ Total number of employees: 120
- ▼ Design engineers: 20
- ▼ Facility: 8000 m²
- ▼ Quality system: GJB9001B-2009 / GB/T19001:2008
- ▼ 45 patents and software copyrights
- ▼ Complete manufacturing&Testing capabilities:
 - Vector network analyzers to 9,20,26.5,40,50GHz
 - High-performance spectrum analyzer to 43GHz
 - Microwave signal generator to 40GHz
 - SI serial Passive IM Test Systems for 3G,CDMA,LTE,WLAN
 - Wire bonding machining etc.
- ▼ High Performance Component &Subsystem Solutions

Main Customers

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Main New Products



50GHz/28GHz Serial

- | 50GHz Fixed Attenuators/Loads
- | 40GHz Digital Attenuators
- | 28GHz Rotary Step Attenuators
- | 28G Digital Phase Shifters
- | DC-28GHz CVD Resistors
- | 45G Couplers/3dBHybrids/Dividers
- | 50GHz Precision Adaptors/Cables

26.5GHz/18GHz Serial

- | HPCT500-20GHz High Power Loads
- | 18GHz 500W Attenuators
- | 2-18GHz Continuous Attenuators
- | 18GHz Digital Attenuators
- | 26.5G/18GHz Rotary Step Attenuators
- | 26.5/18GHz Serial Coaxial Switches

DC-6GHz Serial

- | High Power Attenuators 500W
- | 6GHz Serial Programmable Attenuators
- | 6GHz Rotary Step Attenuators
- | 6GHz Couplers/Power Dividers
- | 4GHz Pushbutton Step Attenuators
- | 6GHz 4.3-10 Serial Attenuators/Loads
- | 1.7-2.2, 3-6GHz Digital Phase Shifters
- | DC-6GHz High Power Resistors

Low PIM Serial

- | Low PIM Attenuators/Terminations
- | Low PIM Adaptors/Cables
- | Low PIM High Voltage DC-blocks

Main New Products



Microwave Power Module

- | Power Meters
- | Power Test Module

Other New Products

- | Intelligent Control Phase Return Loss System
- | High Voltage Pulse Attenuator
- | DC-3GHz Programmable Phase Shifter
- | DC-18GHz Serial ALN Resistors
- | Water Proof High Voltage DC Block

50GHz/28GHz Serial

- | 50GHz Fixed Attenuators/Loads
- | 40GHz Digital Attenuators
- | 28GHz Rotary Step Attenuators
- | 28G Digital Phase Shifters
- | DC-28GHz CVD Resistors
- | 45G Couplers/3dBHybrids/Dividers
- | 50GHz Precision Adaptors/Cables

50GHz Fixed Attenuators/Loads

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- ▼ DC-50GHz,DC-40GHz
- ▼ Max CW power up to 50W
- ▼ Nominal attenuation value (1-9,10,20,30,40dB)
- ▼ 2.4, 2.92mm connectors optional
- ▼ Flatness value with low VSWR
- ▼ High reliability and repeatability
- ▼ RoHS compliance
- ▼ Custom designed available

50GHz Coaxial Fixed Attenuators









Coaxial Fixed Attenuators...2W-50W DC-50GHz

Model Number	Average Power(W)	Peak Power(KW)	Frequency Range(GHz)	Max VSWR	Nominal Attenuation Value(dB)	Connector Type	Pictures
2.4TS2-50	2	0.2	DC-50	1.40-1.45	1-9,10,20,30	2.4mm	
2.4TS5-50	5	0.2	DC-50	1.40-1.45	1-9,10,20,30	2.4mm	
2.4TS2	2	0.2	DC-40	1.35	1-9,10,20,30	2.4mm	
2.4TS5	5	0.2	DC-40	1.25-1.40	1-9,10,20,30,40	2.4mm	
2.4TS10	10	0.2	DC-40	1.25-1.40	10,20,30,40	2.4mm	
2.4TS20	20	0.2	DC-40	1.30-1.40	10,20,30,40	2.4mm	
2.92TS1-40-KFKS	1	0.2	DC-40	1.35	1,2-9,10,20,30	2.92mm	
2.92TS1-40	1	0.2	DC-40	1.35	1,2-9,10,20,30	2.92mm	
2.92TS2-40	2	0.2	DC-40	1.30-1.40	1-9,10-19,20-30,40	2.92mm	

50GHz Coaxial Fixed Attenuators







Coaxial Fixed Attenuators...2W-50W DC-50GHz

Model Number	Average Power(W)	Peak Power(KW)	Frequency Range(GHz)	Max VSWR	Nominal Attenuation Value(dB)	Connector Type	Pictures
2.92TS5-40	5	0.2	DC-40	1.30-1.40	1-9,10-19,20-30,40	2.92mm	
2.92TS10	10	0.2	DC-40	1.25-1.40	10,20,30,40	2.92mm	
2.92TS20	20	0.2	DC-40	1.30-1.40	10,20,30,40	2.92mm	 
2.92TS30	30	0.2	DC-40	1.30-1.45	30,40	2.92mm	
2.92TS50	50	0.2	DC-40	1.60	30,40	2.92mm	

50GHz Coaxial Fixed Terminations

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Coaxial Fixed Terminations...2W-200W DC-50GHz

Model Number	Average Power(W)	Peak Power(KW)	(GHz)	MAX VSWR	Connector Type	Picture
2.4TF2-50	2	0.2	DC-50	1.30-1.40	2.4mm	
2.4TF5-50	5	0.2	DC-50	1.30-1.40	2.4mm	
2.92TF2-40	2	0.2	DC-40	1.35	2.92mm	
2.92TF5-40	5	0.2	DC-40	1.20-1.40	2.92mm	
2.92TF10-40	10	0.2	DC-40	1.25-1.40	2.92mm	
2.92TF20-40	20	0.2	DC-40	1.25-1.40	2.92mm	
2.92TF50-40	50	0.2	DC-40	1.20-1.40	2.92mm	

40GHz Digital Attenuators



- ▼ Ultra band 0.5-40GHz
- ▼ 31dB&63dB, 1dB Steps
- ▼ Designed especially for 5G
- ▼ TTL precision control
- ▼ Switching speed 50ns
- ▼ Custom designed available

Frequency Range	0.5-40GHz
Insertion Loss	7.5dB
Attenuation Value	31 or 63dB
Steps	1dB
Attenuation Accuracy	$\pm 1.5(\pm 0.3+5\%A)$ dB
Average Power	30dBm
Max VSWR	2
Switching Speed	50ns
Controlled Interface	J30J-9ZK

28GHz Rotary Step Attenuator

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- ▼ DC-28GHz
- ▼ 2-25W, 3.5mm Connector
- ▼ 0-9dB or 0-70dB with 1dB or 10dB step
- ▼ Small size with high reliability and repeatability
- ▼ Custom designed available

Frequency Range	DC-28GHz
Insertion Loss	1.8dB
Attenuation Value	0-9dB or 0-70dB
Steps	1dB or 10dB step
Attenuation Accuracy	+/-1.5dB or 4%
Average Power	2W,10W,25W
Max VSWR	1.75

28GHz Digital Phase Shifter



- ▼ 26.5-29.5GHz for 5G design
- ▼ 6Bit 360° adjustable
- ▼ TTL precision control
- ▼ Switching speed ns
- ▼ Custom designed available

Frequency Range	26.5-29.5GHz
Insertion Loss	10.5dB
Phase Adjustable	360°
Phase Accuracy (RMS)	<4°
Average Power	15dBm
Max VSWR	1.80
Switching Speed	400ns

DC-28GHz CVD Resistors

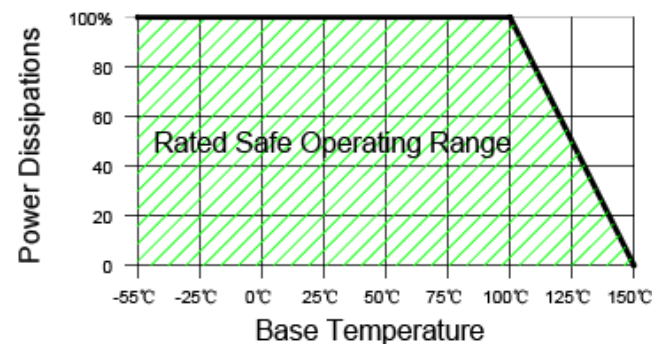
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- ▼ Resistance: 50Ω or 100Ω standard
- ▼ Resistive Tolerance: ±5% standard
- ▼ Resistive Material: Thin Film
- ▼ Substrate Material: Diamond
- ▼ Terminal Material: Thin Film, Gold Solderable
- ▼ Operating Temp Range: -50 to +150°C
- ▼ RoHS Compliant



Model Number	Average Power(W)	Resistance Standard(Ω)	Capacitance (pF)	Dimensions (mm)
SHX0402DR	20	100	0.09	1.14×0.64×0.38
SHX0603DR	50	100	0.19	1.65×0.89×0.38
SHX0805DR	100	100	0.30	2.16×1.40×0.38
SHX1310DR	150	100	0.80	3.30×2.67×0.38

Model Number	Average Power(W)	Frequency Range(GHz)	VSWR	Dimensions (mm)
SHX0402DT	15	DC-10	1.50	1.14×0.64×0.38
SHX0603DT	50	DC-28	1.50	1.65×0.89×0.38
SHX0505DT	50	DC-20	1.50	1.40×1.40×0.38
SHX0805DT	100	DC-18	1.50	2.16×1.40×0.38
SHX1310DT	150	DC-14	1.40	3.30×2.67×0.38
SHX1612DT	300	DC-6	1.25	4.06×3.05×0.38



45G Couplers/Power Dividers

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- ▼ Frequency 37-45GHz
- ▼ Power up to 20W
- ▼ Dividers 2-16 ways optional
- ▼ Low IL with high reliability
- ▼ RoHS compliance
- ▼ Custom designed available

45G Couplers/Power Dividers



45GHz Couplers

Frequency Range	30-45GHz
Average Power	20W
Coupling Value	10,20,30dB
Insertion Loss	≤2dB
Max VSWR	1.60
Directivity	≥10dB
Connector	2.4mm

40GHz Hybrids

Frequency Range	10-40GHz
Average Power	20W
Phase	90° or 180°
Insertion Loss	≤2dB
Max VSWR	1.60
Isolation	≥14dB

45GHz Power Dividers

Frequency Range	30-45GHz
Average Power	15W
Way of Signals	2,3,4,6,8,16 ways optional
Insertion Loss	Inner Loss
Max VSWR	1.75
Isolation	≥20dB

50GHz Precision Adaptors/Cables

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- ▼ DC-50GHz, power up to 1000W
- ▼ 1.85mm,2.4mm,2.92mm, 3.5mm optional
- ▼ 0.1-50GHz DC-Blocks
- ▼ DC-40GHz cables
2.92mm,3.5mm optional

26.5GHz/18GHz Serial

- | HPCT500-20GHz High Power Loads
- | 18GHz 500W Attenuators
- | 2-18GHz Continuous Attenuators
- | 18GHz Digital Attenuators
- | 26.5G/18GHz Rotary Step Attenuators
- | 26.5/18GHz Serial Coaxial Switches

HPCT500-20GHz High Power Loads

俊科[®] SHX



- ▼ Frequency 2-20GHz
- ▼ Ultra Power up to 500W
- ▼ Low VSWR with high reliability
- ▼ Customer designs available

Frequency Range	2-20GHz
Average Power	500W
Peak Power	5kW
Max VSWR	1.35 (2-12.4GHz) 1.4 (12.4-20GHz)

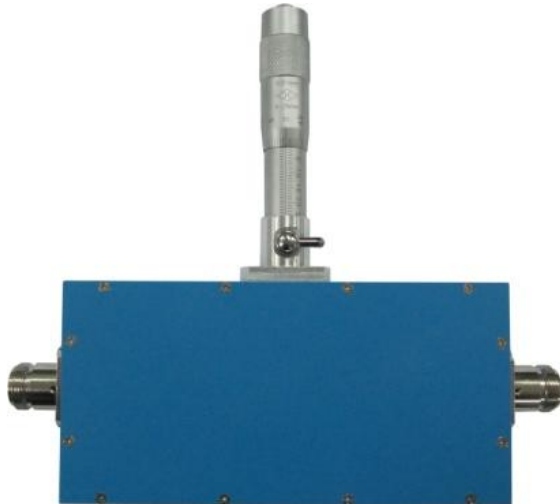
18GHz 500W Attenuators



- ▼ Ultra wideband DC-18GHz
- ▼ Power up to 500W with 30-40dB value
- ▼ Flatness attenuation with low VSWR
- ▼ Customer designs available

Frequency Range	DC-18GHz
Average Power	200-500W
Peak Power	1kW
Attenuation Value	20,30,40dB
Attenuation Accuracy	± 1.5 dB
Max VSWR	1.50

2-18GHz Continuous Attenuators



- ▼ Ultra wideband 2-18GHz
- ▼ Attenuation adjustable $\geq 40\text{dB}$
- ▼ Power up to 10W
- ▼ Precision control with differential screw
- ▼ Flatness attenuation with low VSWR
- ▼ Customer designs available

Frequency Range	2-18GHz
Average Power	2W,5W,10W
Peak Power	$\geq 20\text{dB}$
Attenuation Value	$\pm 1.5\text{dB}$
Attenuation Value	1.50

18GHz Digital Attenuators

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- ▼ Ultra band 0.5-18GHz
- ▼ 31dB&63dB, 1dB Steps
- ▼ TTL precision control
- ▼ Switching speed 50ns
- ▼ Custom designed available

Frequency Range	0.5-18GHz
Insertion Loss	6.5dB
Attenuation Value	31 or 63dB
Steps	1dB
Attenuation Accuracy	$\pm 1.5(\pm 0.3+5\%A)$
Average Power	30dBm
Max VSWR	2
Switching Speed	50ns
Controlled Interface	J30J-9ZK

26.5G/18GHz Rotary Step Attenuators



- ▼ DC-18GHz,26.5GHz
- ▼ 2-10W, 2.92,3.5,SMA optional
- ▼ Attenuation value 0-69,99dB/1dB steps
- ▼ Small size with high reliability and repeatability
- ▼ Custom designed available

Frequency Range	DC-18GHz	DC-26.5GHz
Average Power	2W,10W	
Attenuation Value	0-69dB or 0-99dB	0-9dB or 0-70dB
Steps	1dB	1dB or 10dB
Max VSWR	1.75	1.75
Insertion Loss	≤1.75dB	≤1.75dB
Attenuation Accuracy	±2.5 or 3.5%	±1.5 or 4%

26.5/18GHz Serial Coaxial Switches

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- ▼ DC-26.5GHz, 60-3000W
- ▼ SPDT-SP8T, 2P3T, transfer available
- ▼ Fail-safe & latching switch designs
- ▼ Mechanical or solid state with fast switching speed available
- ▼ Switch indicator circuitry
- ▼ Low loss, high isolation
- ▼ 1 Million Circles with High Reliability
- ▼ Custom designs available

DC-6GHz Serial

- | High Power Attenuators 500W
- | 6GHz Serial Programmable Attenuators
- | 6GHz Rotary Step Attenuators
- | 6GHz Couplers/Power Dividers
- | 4GHz Pushbutton Step Attenuators
- | 6GHz 4.3-10 Serial Attenuators/Loads
- | 1.7-2.2, 3-6GHz Digital Phase Shifters
- | DC-6GHz High Power Resistors

High Power Attenuators 500W

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- ▼ Frequency DC-6GHz,10GHz
- ▼ Design for LTE,4G,5G
- ▼ 2-500W,10-40dB
- ▼ Low VSWR with high reliability
- ▼ Customer designs available

Frequency Range	DC-6GHz,10GHz
Average Power	2-500W
Peak Power	1-10kW
Attenuation Value	10,20,30,40dB
Attenuation Accuracy	± 1.5dB
Max VSWR	1.50

6GHz Programmable Attenuators

俊科[®] SHX



- ▼ Frequency range 0.4-6GHz
- ▼ Widely using in LTE,4G,5G
- ▼ 30dBm,110dB/0.25,0.5,1dB steps
- ▼ Low VSWR with high reliability
- ▼ Customer designs available

Frequency Range	0.4-6GHz
Average Power	30dBm
Attenuation Value	63,95,110dB
Steps	0.25,0.5,1dB
Attenuation Accuracy	$\pm(0.3+3\%A)$ dB
Max VSWR	1.60

6GHz Rotary Attenuators

俊科[®] SHX



- ▼ DC-6GHz, 2-10W
- ▼ Attenuation value 0-1,11,70dB
- ▼ 0.1,1,10dB steps
- ▼ Small size with high reliability and accuracy
- ▼ Customer designs available

Frequency Range	DC-6GHz
Average Power	2W,10W
Attenuation Value	0-1,11,70dB
Steps	0.1,1,10dB
Attenuation Accuracy	$\pm(0.8+3\%A)$ dB
Max VSWR	1.60

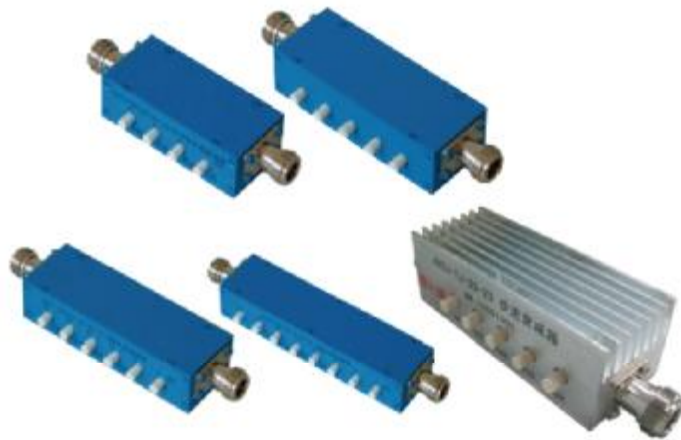
6GHz Couplers/Power Dividers



- ▼ 0.5-6GHz, 20-4000W
- ▼ Coupling value 10,20,30dB
- ▼ 2,4,6,8,16 ways optional
- ▼ Widely used in BS, PCS and UMTS
- ▼ Low loss with high accuracy and reliability
- ▼ Customer designs available

Frequency Range	0.5-6GHz
Average Power	20-4000W
Coupling Value	10,20,30dB
Way of Signals	2,4,6,8,16 Ways optional
Insertion Loss	Inner loss
Max VSWR	1.50

4GHz Pushbutton Step Attenuators



Frequency Range	DC-4GHz
Average Power	2,5,10,25W
Attenuation Value	0-60,90dB
Steps	0.1,0.5,1,10dB
Attenuation Accuracy	≤ 3.5 dB
Max VSWR	1.50

- ▼ DC-4GHz, 2,5,10,25W
- ▼ 0-90dB/0.1,0.5,1,10dB steps
- ▼ Low loss with high accuracy and reliability
- ▼ Customer designs available

4.3-10 Serial Attenuators/Loads



- ▼ DC-6GHz,2-200W
- ▼ 4.3-10 connector,1-40dB
- ▼ Low VSWR with high reliability
- ▼ Custom design available

Frequency Range	DC-6GHz
Average Power	2-200W
Nominal Attenuation	1-40dB
Peak Power	0.5-5kW
Max VSWR	1.30
Connector type	4.3-10

1.7-2.2,3-6GHz Digital Phase Shifters

俊科[®] SHX



- ▼ 1.7-2.2,3-6GHz
- ▼ 8Bit/6Bit 360° adjustable
- ▼ TTL precision control
- ▼ Switching speed ns
- ▼ Custom designed available

Frequency Range	1.7-2.2GHz	3-6GHz
Insertion Loss	10.5dB	8dB
Phase Adjustable	360°	360°
Bits	8bit 1.4°	6bit 5.6°
Phase Accuracy (RMS)	<4°	<5.2°
Average Power	25dBm	27dBm
Max VSWR	1.80	1.80
Switching Speed	400ns	400ns

DC-6GHz High Power Resistors



- ▼ DC-6GHz/4GHz/2GHz
- ▼ Power 10-800W
- ▼ Small size with high reliability
- ▼ Substrate BeO,ALN,AL₂O₃
- ▼ Flange or flangeless optional
- ▼ Customer designs available

Average Power	DC-6GHz	DC-4GHz	DC-2GHz
Average Power	10-100W	150-500W	800W
Nominal Resistance	50Ω	50Ω	50Ω
Max VSWR	1.30	1.30	1.30

Low PIM Serial

- | Low PIM Attenuators/Terminations
- | Low PIM Adaptors/Cables
- | Low PIM High Voltage DC-blocks

-120dBc Low PIM Attenuator/loads



- ▼ Design for low PIM measurement
- ▼ Power 2-300W
- ▼ Reflected PIM -120dBc
- ▼ DC-3GHz
- ▼ With high accuracy and reliability
- ▼ Customer designs available

Frequency Range	DC-3GHz
Average Power	2-300W
Nominal Attenuation	1-40dB
Peak Power	0.5-5kW
IM3	-120dBc
Max VSWR	1.30

-150dBc Low PIM Attenuator/loads

俊科[®] SHX



- ▼ Design for low PIM measurement
- ▼ Power 25-300W
- ▼ Reflected PIM -150dBc
- ▼ 0.8-3GHz
- ▼ With high accuracy and reliability
- ▼ Customer designs available

Frequency Range	0.8-3GHz
Average Power	25-300W
Nominal Attenuation	20,30,40dB
Peak Power	0.5-5kW
IM3	-150dBc
Max VSWR	1.30

-165dBc Low PIM Standard Loads



- ▼ Design for low PIM measurement
- ▼ Power 100,200W
- ▼ Reflected PIM -165dBc
- ▼ 0.8-3GHz
- ▼ With high accuracy and reliability
- ▼ Customer designs available

Frequency Range	0.8-3GHz
Average Power	100,200W
IM3	-165dBc
Max VSWR	1.20
Connector	7/16

Low PIM Adaptors/Cables

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- ▼ Design for low PIM measurement
- ▼ Reflected PIM -160dBc
- ▼ DC-18GHz
- ▼ Long lifecycle with high reliability
- ▼ Excellent phase-amplitude performance
- ▼ Customer designs available

Low PIM High Voltage DC-blocks

俊科[®] SHX



- ▼ Design for low PIM measurement
- ▼ Max voltage 3000V
- ▼ Reflected PIM -130 or -160dBc
- ▼ 0.08-3GHz
- ▼ Low VSWR, wideband and low IL
- ▼ Customer designs available

Frequency Range	0.08-3GHz
Max Voltage	3000V
IM3	-130 or -160dBc
Insertion Loss	<0.25dB
Max VSWR	1.15
Connector	N(M,F)

Microwave Power Module

- | Power Meters
- | Power Test Module

Power Meters



- ▼ Wideband 10MHz~18 GHz
- ▼ Dynamic range - 30 to +20dBm
- ▼ Measurement of microwave average power and pulse power
- ▼ Internal automatic zero adjustment circuit without external calibration
- ▼ High precision, easy to use and easy to carry
- ▼ The reading is clear, and the power curve shows that the test is more accurate
- ▼ Convenient and quick simultaneous use of multiple power probes
- ▼ Customer designs available

Power Meters

俊科[®] SHX



- ▼ 10MHz~18 GHz
- ▼ Wide dynamic range -30 to +20dBm
- ▼ Power testing of continuous wave and modulated wave, including 3G, LTE, WLAN and WiMAX, etc.
- ▼ Internal automatic zero adjustment circuit without external calibration
- ▼ High precision, easy to use and easy to carry
- ▼ LCD direct reading button operation, convenient and quick test
- ▼ Battery or USB type power supply
- ▼ Customer designs available

Power Test Module

俊科[®] SHX



- ▼ 10MHz~18 GHz
- ▼ Minimum detection pulse width 0.2us
- ▼ Online measuring the incident power and reflected power of transmitter transmitting signal
- ▼ The module has functions of power feedback, alarm and so on
- ▼ Measurement of microwave average power and pulse power
- ▼ Internal automatic zero adjustment circuit without external calibration
- ▼ High precision and easy to use
- ▼ Strong anti electromagnetic interference capability and wide temperature range,it can be applied to harsh working environment

Other New Products

- | Intelligent Control Phase Return Loss System
- | High Voltage Pulse Attenuator
- | DC-3GHz Programmable Phase Shifter
- | DC-18GHz Serial ALN Resistors
- | Water Proof High Voltage DC Block

Intelligent Control Phase Return Loss System

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Intelligent control phase return loss system is controlled by precision motor in RF system, and the phase and standing wave ratio are adjusted at the same time to simulate the specific reflection of antenna or terminal system. It is used to test the mismatch performance of transmitter and power amplifier.

SHX-CKBPSGTSF-150-700/3800-NK intelligent control phase return loss system average power 150W, frequency range 700-3800MHz, return loss 3.5-14dB (corresponding to VSWR 1.5-5), phase 0-360 degrees continuously adjustable.

High Voltage Pulse Attenuator

俊科[®] SHX



- ▼ Low reflection coefficient
- ▼ Withstands high voltage pulses
- ▼ High reliability

MS50-20 High Voltage Pulse Attenuator are matched impedance coaxial attenuators for use primarily in pulsed 50 ohm systems (other impedance system can be customer designed). This attenuator features an input and output impedance 50 ohms. The unit is ideal for use in electromagnetic (EM) compatibility area with high energy experiments testing such as electrical fast transient/burst immunity test, Static discharge resistance test, Thunderbolt surge disturbance test, accelerator test etc. With a very special HN high voltage connector design MS50-20 can withstand up to 20kV 200ns high voltage pulse.

DC-3GHz Programmable Phase Shifter



Frequency Range	DC-3GHz
Average Power	100W
Phase Adjust	0-540°
Insertion Loss	<1.75dB
Max VSWR	1.50
Remote Control	Ethernet(RJ45)

- ▼ DC-3GHz, power up to 100W
- ▼ Phase adjust 180°/GHz
- ▼ The computer controlled driving motor changes the phase shift to realize on-line measurement, and the operation is convenient.
- ▼ Real time display of IP, frequency and phase
- ▼ Design according to customer requirements

DC-18GHz Serial ALN Resistors

俊科 SHX

Single Electrode Surface Mount Chip Resistor -SC

Single Leaded Flangeless Resistor - SL

Single Leaded Flange Mount Resistor -SF

- ▼ Resistance: 50Ω standard ±5%
- ▼ Operating Temp Range: -55 to +150°C
- ▼ Temperature Coefficient: <150 ppm/°C
- ▼ Substrate Material: AlN
- ▼ Mounting Flange: 100%Cu, Ni Plated
- ▼ RoHS Compliant



Model Number	Frequency Range(GHz)	Power (W)	VSWR (Typ.)	Dimensions (mm)
SHX10-50N6SC143	DC-6	10	1.30	5×2.5×1
SHX10-50N18SC144	DC-18	10	1.35	1.27×2.54×0.38
SHX20-50N18SC101	DC-18	20	1.35	5×2.5×1
SHX30-50N4SC102	DC-4	30	1.30	2.5×5×1
SHX60-50N3SC201	DC-3	60	1.30	6.35×6.35×1
SHX100-50N4SC301	DC-4	100	1.30	6.35×6.35×1
SHX100-50N6SC532	DC-6	100	1.40	5.7×9×1
SHX125-50N4SC311	DC-4	125	1.30	6.35×9.65×1
SHX150-50N6SC632	DC-6	150	1.40	6.4×9.5×1
SHX250-50N3SC732	DC-3	250	1.25	9.5×9.5×1

Model Number	Frequency Range(GHz)	Power (W)	VSWR (Typ.)	Dimensions (mm)
SHX10-50N6SL143	DC-6	10	1.30	5×2.5×1
SHX20-50N18SL142	DC-18	20	1.35	5×2.5×1
SHX30-50N4SL102	DC-4	30	1.30	2.5×5×1
SHX60-50N3SL201	DC-3	60	1.30	6.35×6.35×1
SHX100-50N4SL301	DC-4	100	1.30	6.35×6.35×1
SHX100-50N6SL532	DC-6	100	1.40	5.7×9×1
SHX125-50N4SL311	DC-4	125	1.30	6.35×9.65×1
SHX150-50N6SL632	DC-6	150	1.40	6.4×9.5×1
SHX250-50N3SL732	DC-3	250	1.25	9.5×9.5×1

Model Number	Frequency Range(GHz)	Average Power(W)	VSWR (Typ.)	Dimensions (mm)
SHX10-50N6SF105	DC-6	10	1.30	5×7.6×3.6
SHX20-50N18SF152	DC-18	20	1.25	5×7.6×3.6
SHX20-50N6SF103	DC-6	20	1.25	5×7.6×3.6
SHX20-50N6SF113	DC-6	20	1.25	5×7.6×3.6
SHX50-50N8SF505	DC-8	50	1.30	9.5×14.2×3.6
SHX50-50N8SF515	DC-8	50	1.30	9.5×14.2×3.6
SHX60-50N6SF206	DC-6	60	1.30	6.4×13.1×3.6
SHX60-50N6SF216	DC-6	60	1.30	6.4×13.1×3.6
SHX60-50N6SF226	DC-6	60	1.30	6.4×13.1×3.6
SHX100-50N4SF207	DC-4	100	1.20	6.4×13.1×3.6
SHX100-50N4SF217	DC-4	100	1.20	6.4×13.1×3.6
SHX100-50N4SF227	DC-4	100	1.20	6.4×13.1×3.6
SHX100-50N6SF307	DC-6	100	1.40	9.5×22.1×3.6
SHX150-50N4SF311	DC-4	150	1.25	6.4×9.5×3.6
SHX250-50N3SF705	DC-3	250	1.25	9.5×24.8×5

Water Proof High Voltage DC Block

俊科[®] SHX

- ▼ 0.1-6GHz
- ▼ Maximum withstand voltage 3000V, double inside and outside conductor.
- ▼ Low standing wave, broadband, low loss
- ▼ Waterproof grade IP67
- ▼ Connector type 4.3-10,7/16,N optional
- ▼ Design according to customer requirements



Frequency Range	0.1-6GHz
Max Voltage	3000V
Insertion Loss	<0.3dB
Max VSWR	1.15
Connector Type	4.3-10
Waterproof Grade	IP67

Contact us



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