






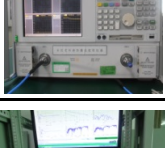
























Type	Specific Test Description	Test method/standard	Range/Limits of detection	Accuracy(±)	Major Device Applied	Device picture
Electrical	Cable comprehensive test	/	1. Hipot: AC:200~1000V, DC:200~1500V; 2. Insulation resistance:1~1000M Ω; 3.Capacitance:10Pf~1uF; 4.Resistance:0.1Ω~10MΩ.	±1%	Cable comprehensive tester	
	Contact resistance test	IEC512-2、EIA364-06	10μΩ-2MΩ	0.01mΩ	Contact resistance tester	
	Insulation resistance test	IEC512-3-1、EIA-364-21	10kΩ~100GΩ	±3%	Insulation resistance tester	
	Dielectric withstanding voltage test	EIA-364-20、IEC-512-14-1	0~10KV AC/DC / 0.1mA~20mA	±5%	Dielectric withstanding voltage tester	
	Voltage limiting component voltage test	/	1.Voltage: 600V 50-700V/1000V 500-1200V 2.Leakage Current: 2-199.9uA	±5%	Surge protector teste	
	3rd Intermodulation test(PIM)	IEC62037	890-915、935-960MHz and 1710-1785、1805-1880MHz	±0.5dBm	3rd Intermodulation tester	
	VSWR/Insertion loss /TDR/Phase/Deley/eye diagram pattern/impedance	EIA-364-108/SJ 2331-1983 / SJ 2474-1984	10MHz~67GHz	±2%	Keysight N5227A Network Analyzer	
	VSWR/Insertion loss /Phase/Deley/ test	EIA-364-108/SJ 2331-1983 / SJ 2474-1984	10MHz~40GHz	±2%	Agilent N5230A Network Analyzer	
	VSWR/Insertion loss /TDR/Phase/Deley/eye diagram pattern/impedance	EIA-364-108/SJ 2331-1983 / SJ 2474-1984	100KHZ~20GHz	±2%	Keysight E5071C 4 parts Network Analyzer	

	VSWR/Insertion loss /Phase/Deley/ test	EIA-364-108/SJ 2331-1983 / SJ 2474-1984	100KHz~20GHz	±2%	Agilent E5071C 2 parts Network Analyzer	
Visual & mechanical	Visual Inspection	/	magnification: 45X-285X	----	CCD magnifier	
	Dimension measurement	/	X200*Y100mm	0.001mm	Image Measurement Instrument	
	Dimension measurement	/	X300*Y200mm	0.001mm	2.5D Image Measurement Instrument	
	Screw measurement	/	/	----	Screw gauge	
	Rockwell hardness test	ASTM E-18,ISO6508	12~93HR/15N/T~45N/T	1HR	Rockwell apparatus	
	Micro-Vickers hardness test	GB/T 4340.1-2009	5~3000HV、HV0.01~HV1	±4%	Micro-vickers tester	
	Low Mu Permeability test (Magnetic detetion)	ASTM 342	1.01~2.5μ	±5%	Low Mu Permeability tester	
	Magnetic flux density measurement	/	0.1uT~45G	1%	COLIY Handheld Gaussmeter	
	Plating Thickness Test	ASTM B568, DIN ENISO 34	Up to 5 plating layers,0.01μ ~1000μ"	0.01μ"	Plating Thickness Tester	

Compression stroke force/push and pull test	BS1726/EIA364-13	0-5kgf/0-500mm	±1% ( 0.01gf/0.01mm)	Graphchart Test with XY control Resistance measurement machine	
Tensile strength/elongation test/Engage and disengage force test	GB/T 16491-2008	0~500Kg	±0.3%	Material tensile testing machine	
Engage and disengage force test	EIA364-13	0~200Kg	0.01Kg	Engage and disengage force tester	
RoHS test	IEC 62321:2008	1ppm-99.99%	1ppm	X-ray fluorescence spectrograph	
Durability test	IEC512-9-1, EIA364-09	-----	-----	Durability Tester	
Cable kinking swing test	GB/T 2423.31-1985	±90°	±5%	Cable kinking swing tester	
air tightness test	IEC-68-2-17	0-400KPa	0.01KPa	air tightness tester	

Environmental & Reliability

Water proof test	IEC 60529	IP*8	±5%	Waterproof test barrel	
Salt spray test	IEC-68-2-11	+5 °C~+55°C	±3%	Salt spray tester	
High temperature test	IEC-68-2-2	+400 °C	±3 °C	High temperature tester	
Low temp test	IEC-68-2-1	-60 °C	±2°C	Programmable Thermostatic Tester	
High low temp cycle test	IEC-68-2-14	-60 °C~+150 °C			
Relative humidity	IEC512-11-3、IEC68-2-3	20%~98%RH	±3%RH		
Thermal Shock test	IEC 68-2-33	-60 °C~+400 °C	±3 °C	High temperature tester +Programmable Thermostatic Tester	