

PRODUCT SPECIFICATIONS

SMA 27G Straight End Launch Jack Receptacle

40520208300001(52-12-TGG)



Electrical

Impedance	50 Ω
Frequency Range	DC to 26.5 GHz
V.S.W.R	1.17 max@18 GHz
	1.21 max. @26.5 GHz
Insertion Loss	0.3 dB max.
Voltage Rating	335 volts rms. at sea level
Dielectric Withstanding Voltage	1,000 volts rms. at sea level
Insulation Resistance	5,000 Megohms min.
Contact Resistance	Center contact = 3.0 Milliohms max.
	Outer contact = 2.0 Milliohms max.
Power Handling	220W

Mechanical

Mechanical	1/4"-36 Threaded coupling
Durability	500 Cycles
Center contact retention	6 lbs Axial force mating end

Material

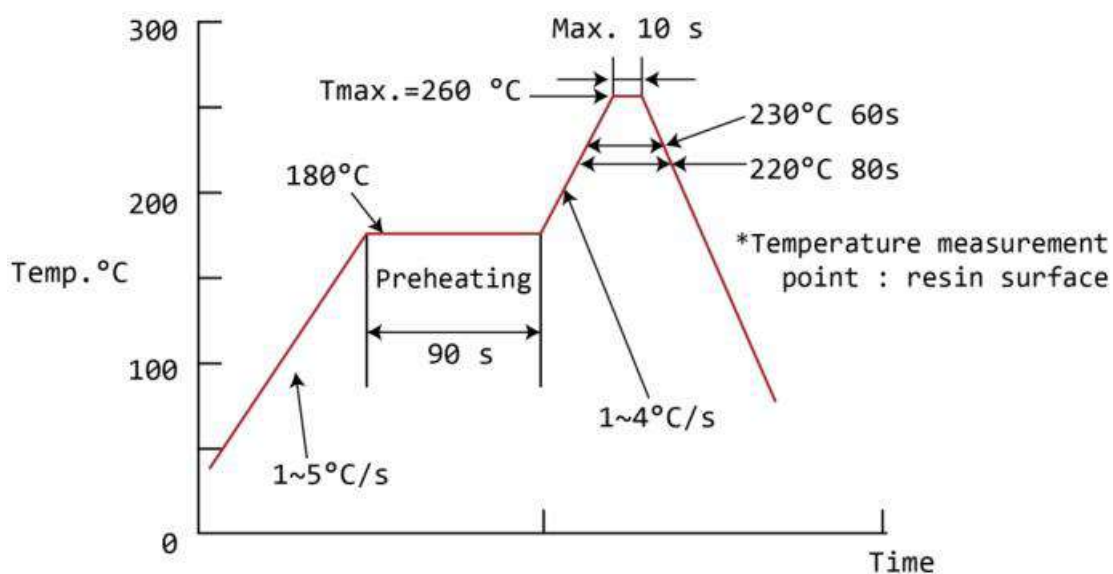
Connector Body	Brass
Center Contact	Beryllium Copper
Insulation	PTFE

Environmental

Temperature	-65°C to 165°C
Vibration	Refer to MIL-STD-202 Method 204 Test Cond. D.
Salt Spray	Refer to MIL-STD-202 Method 101 Test Cond. B.

Recommended Soldering Conditions

Reflow

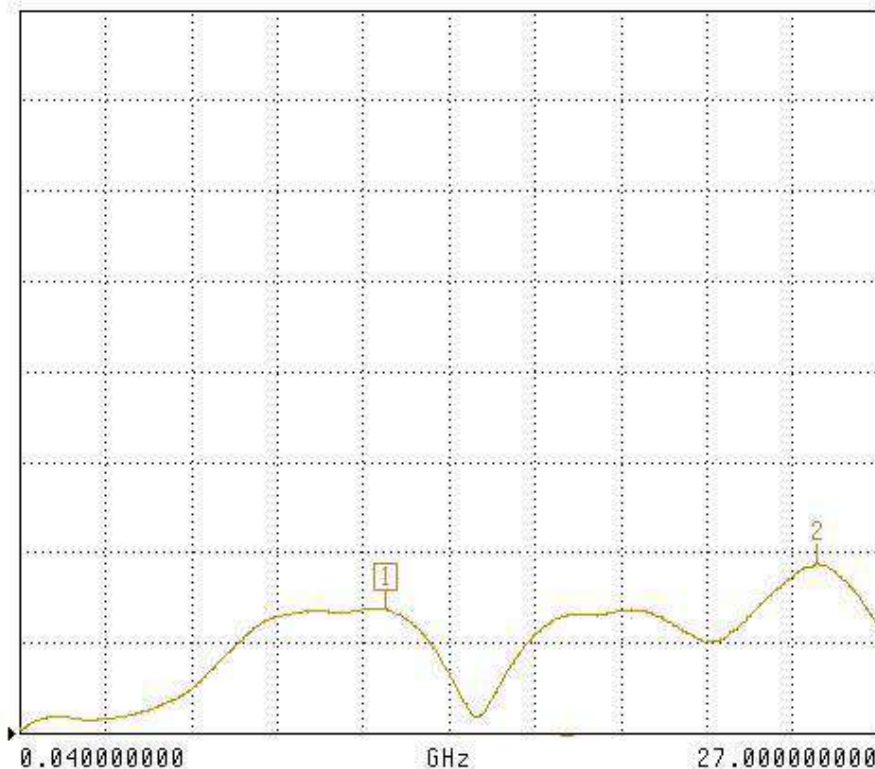


Recommended temperature profile of infrared reflow

Test Report

S11 FORWARD REFLECTION

SWR REF=1.000 U 100.000 mU/DIV



CH 1 - S11
0.0000 mm REF
0.000 dB OFFSET
0.00° OFFSET

MARKER 1
11.531700000 GHz
1.136 U

MARKER TO MAX
MARKER TO MIN

2 25.079100000 GHz
1.186 U

MARKER READOUT
FUNCTIONS