

DATA SHEET

Cable connector



Part Number

5112.SMP.JRC.02.111

Description

SMP, Jack, Right Angle, Cable

Interface Standard

MIL-STD-348A

Suitable Cable

UT85, RG405/U



Electrical Data

Impedance	50	Ω		
Max. operating frequency	40	GHz	connector limited	
Frequency range	DC to 1GHz	1 to 2.2GHz	2.2 to 3GHz	3 to 6GHz
VSWR	≤ 1.02	≤ 1.04	≤ 1.05	≤ 1.09
Insertion loss	$0.05 \sqrt{f(\text{GHz})}$	dB		
Insulation resistance	≥ 5000	$M\Omega$		
Center contact resistance	≤ 6	$m\Omega$		
Outer contact resistance	≤ 2	$m\Omega$		
Dielectric withstanding voltage	≥ 500	Vrms @ 50Hz	connector limited	
Working voltage	≤ 335	Vrms @ 50Hz	connector limited	

Mechanical Data

Mating cycles	≥ 500	
Center contact axial force	≥ 7	N
Center contact	solder	
Outer contact	solder	
Cable retention force		
-cable 1	≥ 158	N
-cable 2	≥ 100	N

Environmental Data

Operating temperature	restricted by cable and/or silicone used
2002/95/EC (ROHS)	compliant
Sealing	N/A
Thermal shock	MIL-STD-202 Method107, condition B
Moisture resistance	MIL-STD-202 Method106
Corrosion resistance	MIL-STD-202 Method101, condition B
Vibration	MIL-STD-202 Method204, condition B
Shock	MIL-STD-202 Method213, condition A

Material Data

Piece Parts	Material	Surface Plating
center contact	Beryllium copper	Au
outer contact	Brass	Au
interface	Beryllium copper	Au
insulator	PTFE	
center ring	Beryllium copper	Au
lid	Brass	Au