

DATA SHEET

Receptacle connector



Part Number

6037.SMA.JSP.00.110

Description

SMA, Jack, Straight, Press in Mount

Interface Standard

IEC 60169-15

Suitable Cable

N/A



Electrical Data

Impedance	50	Ω		
Max. operating frequency	18	GHz		
Frequency range	DC to 1GHz	1 to 2.2GHz	2.2 to 3GHz	3 to 6GHz
VSWR	≤1.06	≤1.08	≤1.08	≤1.12
Insertion loss	0.03 $\sqrt{f(\text{GHz})}$	dB		
Insulation resistance	≥5000	MΩ		
Center contact resistance	≤3	mΩ		
Outer contact resistance	≤2.5	mΩ		
Dielectric withstanding voltage	≥1000	Vrms @ 50Hz		
Working voltage	≥480	Vrms @ 50Hz		

Mechanical Data

Mating cycles	≥500	
coupling recommended toque	≥0.8~1.1	Nm
coupling proof torque	≥1.7	Nm
coupling nut tensile strength	≥270	N
Center contact axial force	≥27	N
Center contact axial torque	≥0.03	Nm
contact gauge ret. Force	≥0.28	N

Environmental Data

Operating temperature	-40~120℃	silicone rubber limited
2002/95/EC (ROHS)	compliant	
Sealing	IP68 (IEC60529)	
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 D	
Shock	MIL-STD-202 Method213, condition I	

Material Data

Piece Parts	Material	Surface Plating
center contact	Beryllium copper	Au
body	Brass	Au
insulator	PTFE	
o-ring	silicone rubber	