

DATA SHEET

Receptacle connector



Part Number

6102.N.JSF.00.130

Description

N, Jack, Straight, Flange Mount

Interface Standard

IEC 60169-16

Suitable Cable

N/A



Electrical Data

Impedance	50	Ω		
Max. operating frequency	11	GHz		
Frequency range	DC to 1GHz	1 to 2.2GHz	2.2 to 3GHz	3 to 6GHz
VSWR	≤ 1.1	≤ 1.15	≤ 1.15	≤ 1.2
Insertion loss	$0.03 \sqrt{f(\text{GHz})}$	dB		
Insulation resistance	≥ 5000	M Ω		
Center contact resistance	≤ 1	m Ω		
Outer contact resistance	≤ 0.25	m Ω		
Dielectric withstanding voltage	≥ 2500	Vrms @ 50Hz		
Working voltage	≤ 1000	Vrms @ 50Hz		
PIM	≤ -162	dBc (2 \times 20W carriers)		

Mechanical Data

Mating cycles	≥ 500	
coupling recommended toque	$\geq 0.7 \sim 1.1$	Nm
coupling proof torque	≥ 1.7	Nm
coupling nut tensile strength	≥ 450	N
Center contact axial force	≥ 28	N
Center contact axial torque	≥ 0.03	Nm
contact gauge ret. Force	≥ 0.56	N

Environmental Data

Operating temperature	-55~155 $^{\circ}$ C	connector 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

<u>Piece Parts</u>	<u>Material</u>	<u>Surface Plating</u>
center contact	Phosphor bronze	Au
body	Brass	CuSnZn
insulator	PTFE	