

# DATA SHEET

## Receptacle connector



### Part Number

6034.SMA.JSF.00.110

### Description

SMA, Jack, Straight, Flange Mount

### Interface Standard

IEC 60169-15

### Suitable Cable

N/A



### Electrical Data

Impedance	50	$\Omega$		
Max. operating frequency	18	GHz		
Frequency range	DC to 1GHz	1 to 2.2GHz	2.2 to 3GHz	3 to 6GHz
VSWR	$\leq 1.06$	$\leq 1.08$	$\leq 1.08$	$\leq 1.15$
Insertion loss	$0.03 \sqrt{f(\text{GHz})}$	dB		
Insulation resistance	$\geq 5000$	M $\Omega$		
Center contact resistance	$\leq 3$	m $\Omega$		
Outer contact resistance	$\leq 2.5$	m $\Omega$		
Dielectric withstanding voltage	$\geq 1000$	Vrms @ 50Hz		
Working voltage	$\geq 480$	Vrms @ 50Hz		

### Mechanical Data

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

### Environmental Data

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