

# DATA SHEET

## Cable connector



### Part Number

5025.SMA.JSC.06.111

### Description

SMA, Jack, bulkhead, Cable Mount

### Interface Standard

IEC 60169-15

### Suitable Cable

RG174/U, RG188A/U, RG316/U



### Electrical Data

Impedance	50	$\Omega$	
Max. operating frequency	2.5	GHz	cable limited
Frequency range	DC to 1GHz	1 to 2.2GHz	2.2 to 2.5GHz
VSWR	$\leq 1.03$	$\leq 1.05$	$\leq 1.06$
Insertion loss	0.05	$\sqrt{f(\text{GHz})}$ 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	$\geq 750$	Vrms @ 50Hz	cable limited
Working voltage	$\geq 350$	Vrms @ 50Hz	cable limited

### Mechanical Data

Mating cycles	$\geq 500$	
Center contact axial force	$\geq 22$	N
Center contact axial torque	$\geq 0.03$	Nm
contact gauge ret. Force	$\geq 0.28$	N
Center contact	solder	
Outer contact	crimp	
Cable retention force		
RG174/U	$\geq 43.5$	N
RG188A/U	$\geq 54.4$	N
RG316/U	$\geq 54.4$	N

### Environmental Data

Operating temperature	restricted by cable and/or silicone used
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	Brass	Au
body	Brass	Au
insulator	PTFE	
nut	Brass	Au
Ferrule	Brass	Au
disc	PTFE	
lock washer	Phosphor bronze	

**Zeeteq** the technoledge connecting people

No. 51 Sci.-Tech Industry Park, Huoju  
Road, SND, Suzhou, China  
Zip: 215009

Tel: +86 512 6807 8808  
Fax: +86 512 6807 8818  
[www.zeeteq.com](http://www.zeeteq.com)

Rev.: a  
issued: 2008-5-09  
page: 1 of 1