

# DATA SHEET

## Cable connector



### Part Number

5070.716.PSC.11.233

### Description

7/16, Plug, Straight, Cable Mount

### Interface Standard

IEC 169-4

### Suitable Cable

RG165/U, RG213/U



### Electrical Data

Impedance	50	Ω		
Max. operating frequency	2.5	GHz	cable limited	
Frequency range	DC to 1GHz	1 to 2.2GHz	2.2 to 2.5GHz	3 to 6GHz
VSWR	≤1.05	≤1.06	≤1.08	
Insertion loss	0.05 $\sqrt{f(\text{GHz})}$	dB		
Insulation resistance	≥10000	MΩ		
Center contact resistance	≤0.4	mΩ		
Outer contact resistance	≤1.5	mΩ		
Dielectric withstanding voltage	≥2500	Vrms @ 50Hz	cable limited	
Working voltage	≤1000	Vrms @ 50Hz	cable limited	
PIM	≤-155	dBc (2×20W carriers)		

### Mechanical Data

Mating cycles	≥500	
Center contact axial force	≥200	N
Center contact axial torque	≥0.45	Nm
contact gauge ret. Force	≥6~18	N
Center contact	solder	
Outer contact	crimp	
Cable retention force		
-RG165/U	≥250.7	N
-RG213/U	≥423.1	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 D
Shock	MIL-STD-202 Method213, condition I

### Material Data

Piece Parts	Material	Surface Plating
center contact	Phosphor bronze	Ag
body	Brass	CuSnZn
insulator	PTFE	
gasket	silicone rubber	
nut	Brass	CuSnZn

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