

# DATA SHEET

## Cable Connector

### Part number

5069.716.PSC.04.223

### Description

7/16, Plug, Straight, cable

### Interface standard

IEC169-4

### Suitable cable:

UT250 & RG401



### Electrical Data

Impedance	50 $\Omega$			
Typically Frequency	DC to 7.5GHz			
Frequency range	DC to 1GHz	1 to 2 GHz	2 to 3 GHz	3 to 6 GHz
VSWR	$\leq 1.02$	$\leq 1.06$	$\leq 1.07$	$\leq 1.08$
PIM	$\leq -165\text{dBc @ } 43\text{dBm}$			
Insulation resistance	$\geq 10000 \text{ M}\Omega$			
Center contact resistance	$\leq 0.4 \text{ m}\Omega$			
Outer contact resistance	$\leq 1.5 \text{ m}\Omega$			
Dielectric withstanding voltage	$\geq 4000 \text{ Vrms @ } 50\text{Hz}$			
Working voltage	$\geq 2700 \text{ Vrms @ } 50\text{Hz}$			

### Mechanical Data

Mating cycles	$\geq 500$
Coupling recommended torque	25-30 Nm
Coupling proof torque	35 Nm
Coupling nut ret. Force	$\geq 1000 \text{ N}$
Contact axial captivation	$\geq 200 \text{ N}$
Contact radial captivation	$\geq \text{ Nm}$
Contact gauge ret. Force	6 N

### Environmental Data

Operating Temperature	-65 °C to 155 °C
2002/95/EC (RoHS)	compliant
Sealing	--
Vibration	MIL-STD-202 Method204, Condition B
Shock	MIL-STD-202 Method213, Condition I
Corrosion resistance	MIL-STD-202 Method101, Condition B
Thermal shock	MIL-STD-202 Method107, condition B
Moisture resistance	MIL-STD-202 Method106

### Material Data

Piece Parts	Material	Surface Plating
Centre contact	Brass	Ag
Body	Brass	Ag
Insulator	PTFE	
Nut	Brass	CuSnZn
Gasket	Silicone	

#### Zeeteq technology

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

Tel : +86 (0)512 6807 8808  
Fax: +86 (0)512 6807 8818  
[www.zeeteq.com](http://www.zeeteq.com)

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