

DATA SHEET

Receptacle connector



Part Number

6079.716.PSF.00.233

Description

7/16, Plug, Straight, Flange Mount

Interface Standard

IEC 169-4

Suitable Cable

N/A



Electrical Data

Impedance	50	Ω
Max. operating frequency	7.5	GHz
Insulation resistance	≥ 10000	$M\Omega$
Center contact resistance	≤ 0.4	$m\Omega$
Outer contact resistance	≤ 1.5	$m\Omega$
Dielectric withstanding voltage	≥ 4000	Vrms @ 50Hz
Working voltage	≥ 3000	Vrms @ 50Hz
PIM	≤ -165	dBc (2×20W carriers)

Mechanical Data

Mating cycles	≥ 500	
coupling recommended torque	$\geq 25\sim 30$	Nm
coupling proof torque	≥ 35	Nm
coupling nut tensile strength	≥ 1000	N
Center contact axial force	≥ 200	N
Center contact axial torque	≥ 0.45	Nm
contact gauge ret. Force	$\geq 6\sim 18$	N

Environmental Data

Operating temperature	-40~120°C	silicone rubber 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

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

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Rev.: a
issued: 2008-5-22
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