

**7-16 DIN Male for Standard 1/2" Cable**
**Electrical Specifications**

Impedance	50 Ω
Frequency Range (MHz)	DC ~ 3 GHz
VSWR	≤ 1.10 (0.8 ~ 2.2GHz )
	≤ 1.15 (DC ~ 3GHz )
Return Loss	≤ -30 dB (2 GHz)
PIM 3rd Order	≤ -160 dBc (2 x 43 dBm)
Insertion Loss	≤ 0.05 ( 0.8 ~ 1 GHz )
	≤ 0.1 (1 ~ 2.2 GHz )
	≤ 0.15 ( 2.2 ~ 3 GHz )
Working Voltage	2700 V (50 Hz AC)
Withstand Voltage	4000 V (50 Hz AC)
Outer Contact Resistance	< 0.2 MΩ
Inner Contact Resistance	< 0.8 MΩ
Insulation Resistance	≥ 10000 MΩ

**Mechanical Specifications**

Interface Durability	500 Cycles
Insertion Force	200.17 N   45 lbf
Connector Retention Torque	30 N-m   266 in lb
Connector Retention Tensile Force	890N   200 lbf
Water Resistance	IP67
Operating Temperature	-65 ~ +165 °C

**Material & Plating**

Inner Conductor	QSn6.5-0.1, Silver Plated
Outer Conductor	HPb59-1, Trimental Plating(Copper-Tin-Zin)
Insulation	PTEE
Gasket	Silicon Rubber

