

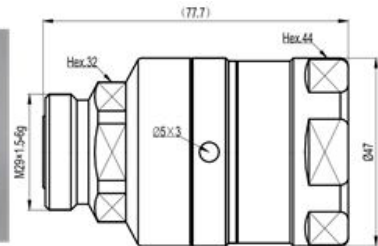


## PRODUCT DATA SHEET

### Coaxial Cable Connector : 7/16F-1-1/4"AR

#### Description

7/16 Straight female Connector for 1-1/4" Flexible Leaky Cable



#### MATERIALS & PLATING

	Description	Material	Surface Plating	Remark
1	Center Conductor Pin	Brass	Silver	-
2	Center Conductor Socket	Tin Bronze	Silver	-
3	Outer Contact & Body	Brass	Trimetal	-
4	Dielectric	-	TPX	-
5	Gasket	Silicon Rubber	-	-

#### ELECTRICAL CHARACTERISTICS

	Item	Technical Data
1	Impedance	50Ω
2	Frequency range max	DC~2.7GHz
3	Insulation Resistance	≥5000 MΩ
4	Center Contact Resistance	≤0.4 mΩ
5	Outer Contact Resistance	≤0.2 mΩ
6	Dielectric Strength	4000V RMS
7	Working Voltage	2700V RMS
8	Insertion Loss	≤0.10dB @DC~2.7GHz
9	VSWR	≤1.20 @DC~2.7GHz
10	PIM3	≤-130dBc@2x43dBm

#### ENVIRONMENTAL AND MECHANICAL CHARACTERISTICS

1	Durability (matings)	≥ 500 cycles
2	Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition D
3	Vibration Test Method	MIL-STD-202, Method 204, Test Condition A
4	Temperature Range	-65°C ~ +85°C
5	RoHS	Compliant
6	Sealing Class	IP68 (24Hrs, 1m, 20°C)

Technical data are subjected to change without notice – File : 7\_16F-1-1\_4"AR 2018 V1.0