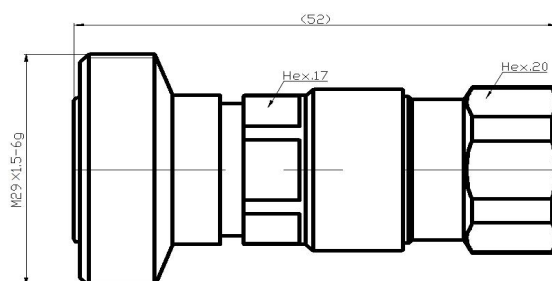


ST-7/16F-12-YG23/00

1. Figure



2. Product Description

7/16F-1/2"L

7/16 Straight Female Connector for 1/2" Flexible RF Cable

3. Material and Plating

Socket-Centre contact	Tin Bronze / Silver Plated
Outer contact & Body	Brass / Trimetal Plated
Dielectric	PTFE
Gasket	Silicon Rubber
Nut	/

4. Electrical Characteristics

Characteristics Impedance	50 Ohm
Insulation Resistance	$\geq 5000\text{M}\Omega$
Centre contact resistance	$\leq 0.40\text{ m}\Omega$
Outer contact resistance	$\leq 0.20\text{ m}\Omega$
Dielectric Withstanding Voltage	2000V rms(AC)
Insertion Loss	@690-960 MHz $\leq 0.08\text{dB}$
	@1700-2700 MHz $\leq 0.12\text{dB}$
	@2700-3000 MHz $\leq 0.15\text{dB}$
	@3000-5000 MHz $\leq 0.20\text{dB}$
VSWR	@690-960 MHz ≤ 1.10
	@1700-2700 MHz ≤ 1.13
	@2700-3000 MHz ≤ 1.15
	@3000-5000 MHz ≤ 1.20
PIM3	@1800MHz $\leq -150\text{dBc}$

5. Environmental and Mechanical Specifications

Gauge retention force	
Centre contact	$\geq 6\text{ N}$
Outer contact	/
Coupling nut torque	20-28 N·m
Coupling nut retention force	$\geq 450\text{ N}$
Durability (matings)	$\geq 500\text{ cycles}$
Axial holding force of center conductor	200 N
Shock	As per std:IEC 60068-2-27/GB/T 2423.5
Vibration	As per std:IEC 60068-2-6/GB/T 2423.10
Salt mist	As per std:IEC 60068-2-11/GB/T 2423.17(48H)
Temperature Range	-45°C to +85°C
RoHS	Compliant
Sealing Class	IP68