



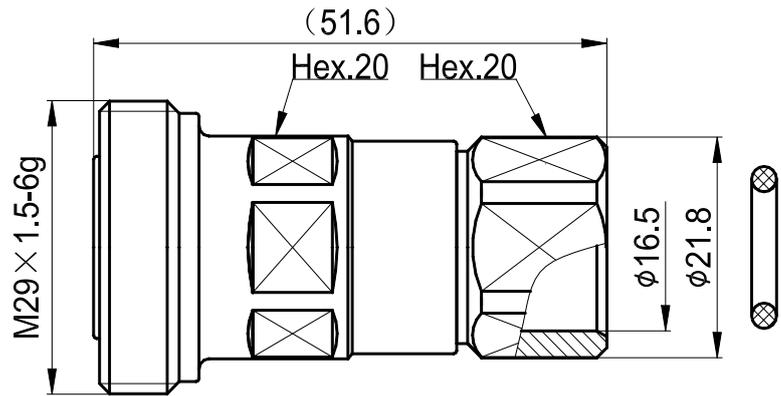
## TECHNICAL SPECIFICATION

HXQJCG0008

7/16F-1/2"L

Rev:A/0

### 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

Inner Conductor Pin	Brass / Silver Plating
Inner Conductor Socket	Tin Bronze / Silver Plating
Insulator	PTFE/TPX
Body & Outer Conductor	Brass / Trimetal Plating
Gasket	Silicon Rubber
Nut	—

### 4. Electrical Characteristics

Characteristics Impedance	50 Ohm
Frequency Range	DC~7.5GHz
Insulation Resistance	≥10000MΩ
Dielectric Withstanding Voltage	4000V rms
Operating Voltage	2700V rms
Center contact resistance	≤0.40 mΩ
Outer contact resistance	≤0.20 mΩ
Insertion Loss @DC-2.7 GHz	≤0.10dB
VSWR @0.8-1.0 GHz	≤1.08
@1.7-2.7 GHz	≤1.10
PIM3	≤-155dBc

### 5. Environmental and Mechanical Specifications

Durability (matings)	≥500 cycles
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition D
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. A
Temperature Range	-65°C to +85°C
RoHS	Compliant
Sealing Class	IP68

The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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