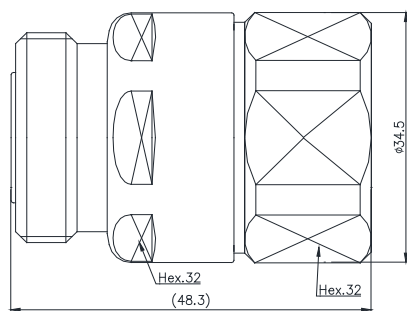


TECHNICAL SPECIFICATION

7/16F-7/8"L



7/16 Straight female Connector for
7/8" Flexible RF Cable

ID: 2.4.15.22.03(02L)

Rev: A0

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

Electrical Specifications

Characteristics Impedance

50 Ohm

Frequency Range

DC~7.5GHz

Insulation Resistance

$\geq 10000\text{M}\Omega$

Dielectric Withstanding Voltage

4000V rms

Operating Voltage

2700V rms

Center contact resistance

$\leq 0.4\text{ m}\Omega$

Outer contact resistance

$\leq 0.2\text{ m}\Omega$

Insertion Loss

@DC-2.7 GHz

$\leq 0.10\text{dB}$

VSWR

@0.8-1.0 GHz

≤ 1.08

@1.7-2.7 GHz

≤ 1.10

PIM3(2*43dBm)

$\leq -155\text{dBc}$

Environmental & 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 24hr, 1m, 20°C

Regulatory Compliance / Certification

ISO 9001:2015

Compliant