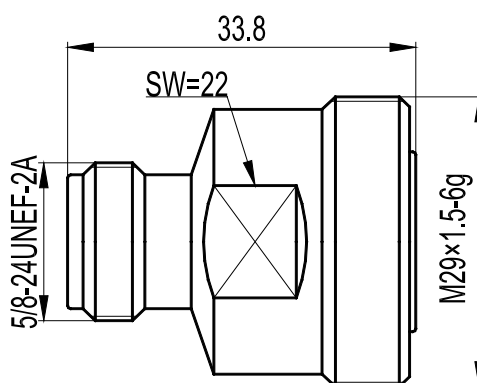


TECHNICAL SPECIFICATION

7/16F-NF



7/16 Type female to N Type female

ID:2.4.81.1222.4(01)

Rev: A0

Material and Plating

Center contact

Tin Bronze / Silver Plated

Outer contact & Body

Brass / Trimetal Plated

Dielectric

PTFE

Electrical Specifications

Characteristics Impedance

50 Ohm

Frequency Range

DC~7.5GHz

Insulation Resistance

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

Dielectric Withstanding Voltage

2500V rms

Operating Voltage

1400V rms

Center contact resistance

$\leq 1.00\text{m}\Omega$

7/16 type

$\leq 0.40\text{m}\Omega$

Outer contact resistance

$\leq 0.25\text{m}\Omega$

$\leq 0.20\text{m}\Omega$

Insertion Loss

@DC-3.0 GHz

$\leq 0.17\text{dB}$

VSWR

@0.8-1.0 GHz

≤ 1.08

@1.0-3.0 GHz

≤ 1.10

PIM3

$\leq -155\text{dBc}$

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 +165°C

RoHS

Compliant

Regulatory Compliance / Certification

ISO 9001:2015

Compliant