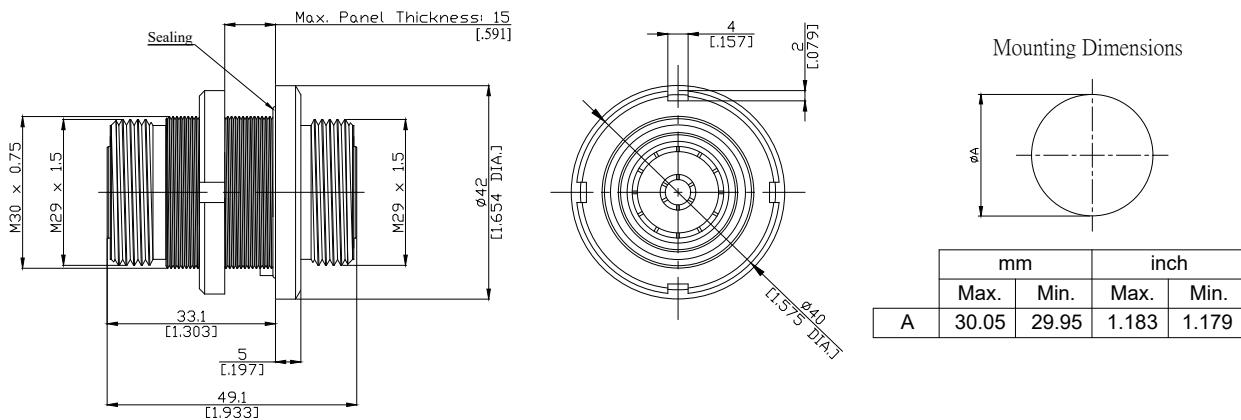


# 7/16 jack (female) / 7/16 jack (female) Bulkhead Adaptor

## DC-7.5 GHz, VSWR $\leq$ 1.22

### AD-D2D25A-BH / H4-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface

according to

CECC 22190; IEC 61169-4

#### Electrical Data

Impedance

50  $\Omega$

Frequency

DC to 7.5 GHz

VSWR (Return Loss)

$\leq 1.22$  ( $\geq 20$  dB)

Insertion Loss

$\leq 0.05 \times \sqrt{f}$  (GHz) dB

Insulation resistance

$\geq 10$  G $\Omega$

Center contact resistance

$\leq 0.4$  m $\Omega$

Outer contact resistance

$\leq 1.5$  m $\Omega$

Working voltage

500 V rms

Power handling (at 20 °C, sea level, VSWR 1.0)

1800 W @ 1 GHz

800 W @ 4 GHz

RF-leakage

$\geq 128$  dB @ DC to 1 GHz

#### Material And Plating

Piece Parts (7/16)

Material

Plating

Centre contact

Phosphor Bronze

Gold plating, 3  $\mu$ inch

(Non-magnetic nickel-phosphorus underplating, 80  $\mu$ inch)

Body

Brass

Copper-Tin-Zinc Alloy

Insulator

PTFE

Gasket

Silicone Rubber

Fastening nut

Brass

Copper-Tin-Zinc Alloy

Washer

Brass

Copper-Tin-Zinc Alloy

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## Mechanical Data

## Environmental Data

Temperature Range	-65°C to +165°C
Rapid change of temperature	DIN EN 122190, Sub-clause 4.6.7
Corrosion resistance	DIN EN 122190, Sub-clause 4.6.10
Vibration	DIN EN 122190, Sub-clause 4.6.3
Climatic category	DIN EN 122190, Sub-clause 4.6.5 (55/155/56)
Damp heat	DIN EN 122190, Sub-clause 4.6.6
Degree of protection (mated pair)	IEC 60529, IP68 2.5 bar 1h
RoHS	compliant

## Packing

Single or 100