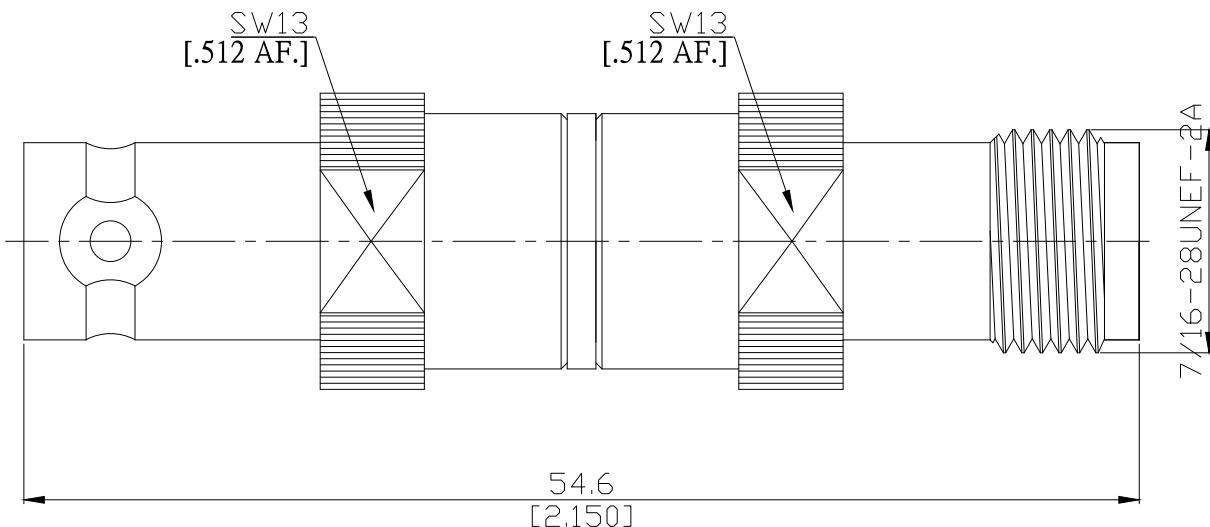


BNC jack (female) 50Ω / TNC jack (female) 75Ω
Impedance Matching Pad DC- 2GHz VSWR1.2

MP-B25T27-2GA / H4-H4



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

BNC according to

IEC 60169-8; MIL-STD-348B/301

TNC according to

IEC 60169-17; MIL-STD-348B/313

Electrical Data

Impedance

BNC 50 Ω / TNC 75 Ω

Frequency

DC to 2 GHz

VSWR (Return Loss)

≤ 1.2 (≥ 20.8 dB)

Insertion Loss

≤ $0.05 \times \sqrt{f}$ (GHz) dB

Center contact resistance

≤ 1.5 mΩ, BNC side;

Outer contact resistance

≤ 1 mΩ, BNC side;

Working voltage

2W Avg. @ +25°C

Peak Power

≤ 250 W

≤ 1.5 mΩ, TNC side

≤ 1 mΩ, TNC side

Material And Plating

| Piece Parts (BNC) | Material | Plating |
|-------------------|-----------------|--|
| Centre contact | Phosphor Bronze | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body | Brass | Copper-Tin-Zinc Alloy |
| Insulator | PTFE | |
| Gasket | Silicone Rubber | |
| Piece Parts (TNC) | Material | Plating |
| Centre contact | Phosphor Bronze | Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch) |
| Body | Brass | Copper-Tin-Zinc Alloy |
| Insulator | PTFE | |

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

Date:

JUL/16/2021

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MP-B25T27-2GA / H4-H4

Mechanical Data

| | | |
|-----------------------------------|--------------|--------------------|
| Coupling mechanisms | BNC side | TNC side |
| Mating cycles | Bayonet-lock | Screw-lock |
| Center contact captivation: axial | min. 500 | min. 500 |
| Coupling test torque | ≥ 15 N | ≥ 15 N |
| Recommended torque | N/A | max. 1.7 Nm |
| | N/A | 0.46 Nm to 0.69 Nm |

Environmental Data

| | |
|---------------------|---------------------------------|
| Temperature Range | -65°C to +165°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. B |
| Shock | MIL-STD-202, Meth. 213, Cond. G |
| Moisture resistance | MIL-STD-202, Meth. 106 |
| RoHS | compliant |

Packing

Single or 100