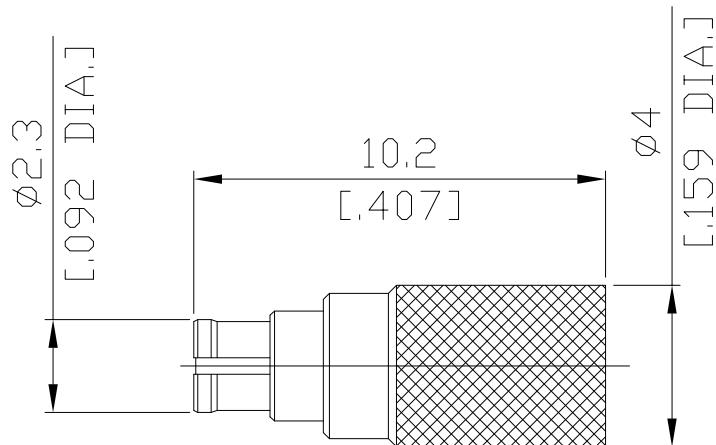


## SMPM Termination Jack

### 18 GHz, 1 Watt, VSWR $\leq 1.4$

# T-PM25-18G1WA / 99



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

according to

MIL-STD-348B/328

### Electrical Data

Impedance

50  $\Omega$

Frequency

DC to 18 GHz

VSWR (Return Loss)

$\leq 1.40$  ( $\geq 15.56$  dB)

Center contact resistance

$\leq 6$  m $\Omega$

Outer contact resistance

$\leq 2$  m $\Omega$

Power Rating

1 W

### Material And Plating

#### Piece Parts

Centre contact

#### Material

Beryllium Copper

#### Plating

Gold plating, 3  $\mu$ inch

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

Body

Beryllium Copper

Gold plating, 3  $\mu$ inch

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

Insulator

PTFE

### Mechanical Data

Coupling mechanisms

Snap-lock

Mating cycles

Full detent:  $\geq 100$

Smooth bore:  $\geq 500$

Center contact captivation: axial

$\geq 7$  N

Engagement force

Full detent: 19 N typical

Smooth bore: 11 N typical

Disengagement force

Full detent: 29 N typical

Smooth bore: 7 N typical

### Environmental Data

Temperature Range

-65  $^{\circ}$ C to +155  $^{\circ}$ C

Thermal shock

MIL-STD-202, Method 107, Condition B

Vibration

MIL-STD-202, Method 204, Condition B

Shock

MIL-STD-202, Method 213, Condition A

Moisture resistance

MIL-STD-202, Method 106

RoHS

compliant

### Packing

Single or 100

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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N-CAGE Code: SFKK0 / ISO9001 Certified

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