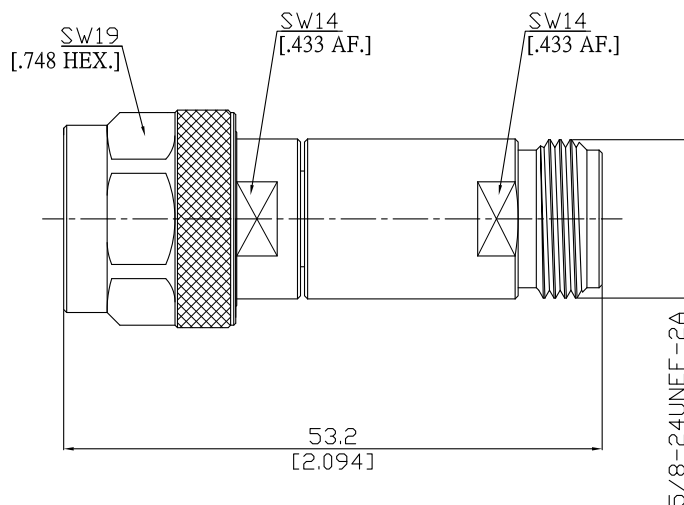


Fixed Attenuator plug/jack  
N plug (male) / N jack (female)

FA-PCN1PCN25A-18G2W6/9XX-9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Interface

According to MIL-C-39012;MIL-STD-348B/402

## Electrical Data

|                       |                                  |                                |                                |                                |                                |
|-----------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Impedance             | 50 $\Omega$                      |                                |                                |                                |                                |
| Attenuation           | 6 dB                             |                                |                                |                                |                                |
| Frequency             | DC to 18 GHz                     |                                |                                |                                |                                |
| Frequency sub range   | DC to 4 GHz                      | 4 to 6 GHz                     | 6 to 8 GHz                     | 8 to 12.4 GHz                  | 12.4 to 18 GHz                 |
| VSWR (Return Loss)    | $\leq 1.11$ ( $\geq 25.65$ dB)   | $\leq 1.11$ ( $\geq 25.65$ dB) | $\leq 1.15$ ( $\geq 23.13$ dB) | $\leq 1.15$ ( $\geq 23.13$ dB) | $\leq 1.25$ ( $\geq 19.08$ dB) |
| Attenuation deviation | $\pm 0.3$ dB                     | $\pm 0.4$ dB                   | $\pm 0.4$ dB                   | $\pm 0.5$ dB                   | $\pm 0.8$ dB                   |
| Power rating          | 2 Watt average power up to 30 °C |                                |                                |                                |                                |

## Mechanical Data

|                     |            |
|---------------------|------------|
| Coupling mechanisms | Screw-lock |
| Weight              | N/A        |

## Environmental Data

|                   |                 |
|-------------------|-----------------|
| Temperature range | -55°C to +130°C |
| RoHS              | compliant       |

## Material And Plating

| Piece Parts (N) | Material         | Plating                          |
|-----------------|------------------|----------------------------------|
| Centre contact  | Beryllium Copper | Gold plating(Nickel underplated) |
| Body            | Stainless Steel  | Passivated                       |
| Insulator       | PTFE             |                                  |
| Gasket          | Silicone Rubber  |                                  |
| Coupling Nut    | Stainless Steel  | Passivated                       |
| Piece Parts (N) | Material         | Plating                          |
| Centre contact  | Beryllium Copper | Gold plating(Nickel underplated) |
| Body            | Stainless Steel  | Passivated                       |
| Insulator       | PTFE             |                                  |

## Packing

Single or 100