# D-M-12-F

## Material and plating

**Connector parts Material**  **Plating**

Center contact Brass Ag

Outer contact Brass CuSnZn

Fastener Brass Ni

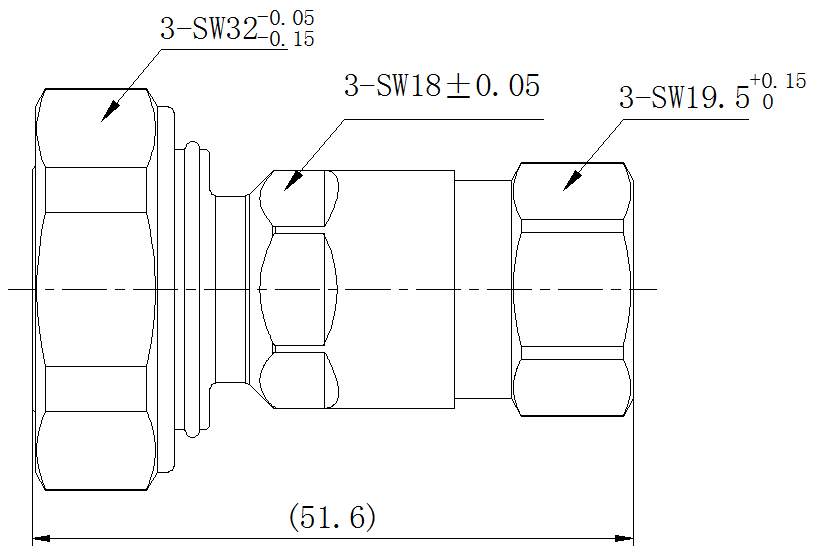
Dielectric PTFE -

Gasket Silicon -

## Technical Specifications

|  |  |
| --- | --- |
| Operating Frequency Band | ≥ 3.6Ghz |
| Insertion Loss | ≤0.05dB |
| Impedance | 50 Ω |
| Contact resistance | Center contact≤ 0.4mΩ  Outer contact≤ 0.2mΩ |
| Insulation Resistance | ≥ 10000 MΩ |
| PIM3 | ≤-155dBc@2\*20W |
| Return Loss (dB) | 50MHz~1000MHz: ≥ 35  1000MHz~1900MHz: ≥ 32  1900MHz~2200MHz: ≥ 32  2200MHz~2700MHz: ≥ 32 |
| Interface | 7-16 DIN Male |
| Bod Style | Straight |
| Peak Power in Maximum(kW) | ≥ 0.7 |
| RF Operating Voltage in maximum | ≥ 500 vrms |
| Mating cycles | 500 |
| Dielectric Strength | 2000 V, AC, 1Min |
| Operating Temperature | -45~+85 °C |
| Relative Humidity | 0~95 % |
| Application | Indoor or Outdoor (IP68) |
| Change of temperature | IEC 60068-2-14/GB/T 2423.22 |
| Salt mist | IEC 60068-2-11/GB/T 2423.17 |
| Vibration | IEC 60068-2-6/GB/T 2423.10 |
| Shock | IEC 60068-2-27/GB/T 2423.5 |
| Damp heat, steady state | IEC 60068-2-3/GB/T 2423.3 |
| Protection class | IEC 60529/GB 4208 |
| Suitable cables | 1/2’’ Feeder  applicable for cable feeder : Feeders: Smooth solid tube / smooth round solid, Outer Conductor / Ring corrugated copper tube, Inner Conductor / 4.8 ± 2% mm core conductor, Outer Conductor / Shell Conductor diameter 13.8 ± 2% mm, Jacket / plastic sheath, diameter 15.8 ± 2% mm, Outer Conductor / SIN wave conductor / SIN waveform, Dielectric / Insulation between the core conductor and the sheath conductor Polyethylene Foam |
| Weight(g) | ≥ 96 |

## Drawing



According to IEC 61169-4