

Straight Crimp SMA Plug

Order code: 16-1552

A crimp connection SMA plug for flexible cable RG174, 188A and 316.

Specifications:

1. Nickel Plating Thickness : 50 μ " min. (Under Plating) 2. Gold Plating Thickness : 30 μ " min. (Over Finish 1) 3. Gold Plating Thickness : 2 μ " max. (Over Finish 1)

| Item | Description | Material | Finish |
|------|---------------|----------|------------|
| 1 | Shell | Brass | Finish 1/3 |
| 2 | Body | Brass | Finish 1/3 |
| 3 | Insulator | PTFE | None |
| 4 | Inner Contact | Brass | Finish 1/2 |
| 5 | Ferrule | Brass | Finish 1/3 |



Electrical:

Impedance: 50 ohm Frequency Range: 0~12.4 GHz

Voltage Rating: 500 V rms. (depending on cable)

Insulator Resistance: $\geq 5 \text{ G}\Omega$ Dielectric Withstanding Voltage: 1000 V rms

Contact Resistance: Centre Contact $\leq 3 \text{ m}\Omega$. Outer Contact $\leq 2.5 \text{ m}\Omega$

Mechanical:

Mating: 1/4-36 UNS Screw-on Coupling

Recommended Mating Torque: 7.1-9.7 lbs Coupling Nut Retention Force: 60.7 lbs

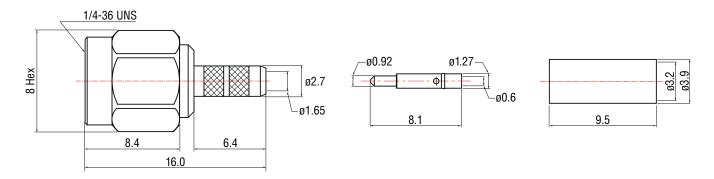
Environmental:

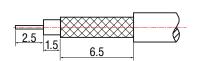
Temperature Range: -65°C to 165°C

Corrosion(Salt Spray): MIL-STD-202, Method 101, Cond. B Thermal Shock: MIL-STD-202, Method 107, Cond. B Mechanical: MIL-STD-202, Method 213, Cond I Vibration: MIL-STD-202, Method 204, Cond. D

Notes

- Any electrical, mechanical or environmental test per MIL-PRF-39012F should be spotlighted, as we may not have all testing equipment to cover all of it.
- Single crimp: Recommended dimensions provided for ferrule.
 Dual crimp: Recommended dimensions provided for ferrule and inner contact. Please advise single/dual in advance to avoid any inconvenience.
- All metal materials are in compliance with RoHS 2 directive 2011/65/EU Annex III section 6 paragraph.
- 4. Recommended crimped hand tool: For ferrule p/n HT-H116N

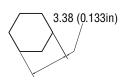




Recommended Cable Stripping Dimensions



Recommended Crimping Dimensions for Inner Contact



Recommended Crimping Dimensions for Ferule