

**SMA Connector Plug, Male Pin 50
Ohms Free Hanging (In-Line)
Solder**

**RoHS
Compliant**

Stock No.: L032CT4498

FEATURES

- RG-142, 223, 400
- Cable Mount
- Gold-plated



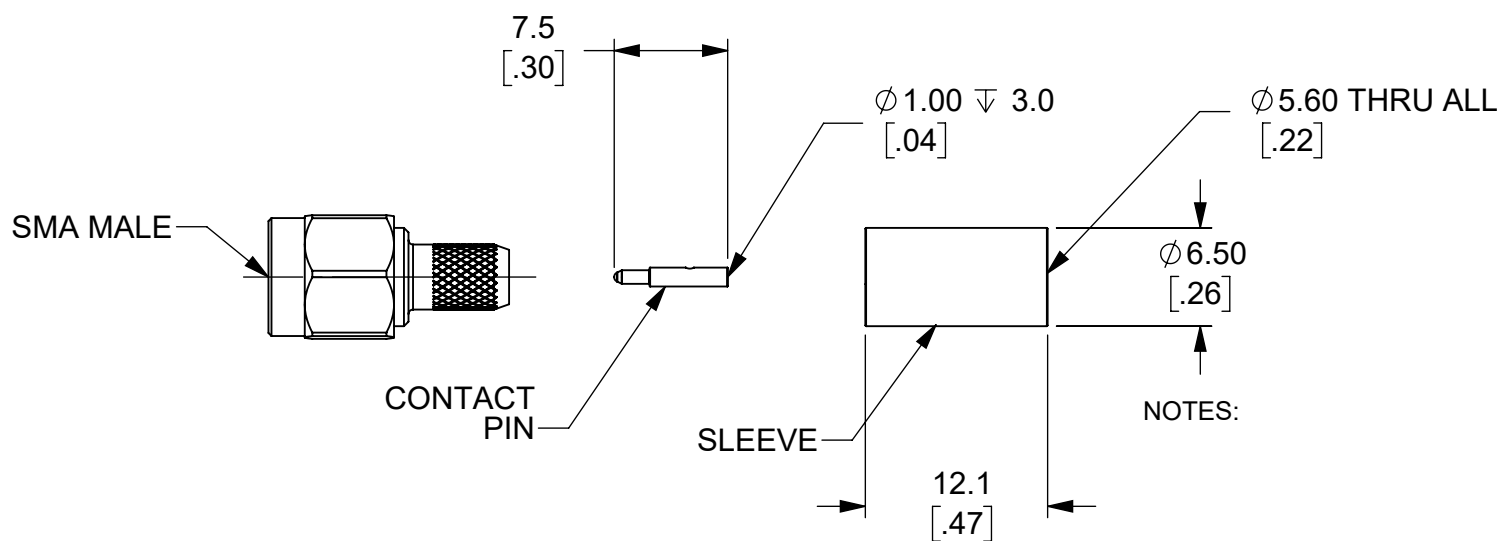
Product Description

An SMA male connector is a sub-miniature coaxial connector used in RF applications. This SMA male connector is threaded for a secure connection. Our SMA male connector is 50 Ohm crimp style nickel-plated brass connector and comes in a 3-piece design that include connector, pin, and ferrule.

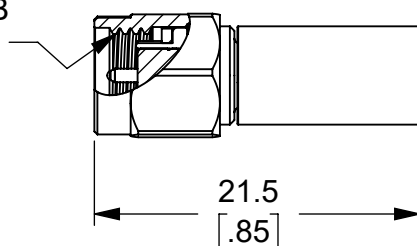
General Specifications

Attribute	Value
Connector Style	SMA
Gender	Male
Impedance	50Ω
Mounting Type	Crimp
Frequency Range	0-12 GHz
Body Orientation	Straight
Polarity	Normal
Contact Plating	Gold
Body Plating	Gold
Contact Material	Beryllium Copper
Voltage Rating	335 Volts Peak
Temperature Range	-65°C ~ 125°C

Product Drawing



1/4-36UNS-2B
THD



- ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
- ADAPTER TO MEET OR EXCEED ALL SPECIFICATIONS PER MIL-PRF-39012.
- MATING DIMENSIONS IN ACCORDANCE WITH MIL-STD-348.
- VSWR AND FREQUENCY RANGE SPECIFICATIONS ARE FOR REFERENCE AND ARE DEPENDENT ON CABLE TYPE AND OTHER APPLICATION SPECIFIC CONDITIONS.
- MATERIAL:
 - BODY AND COUPLING NUT: BRASS, GOLD PLATED
 - CENTER CONTACT: BRASS, GOLD PLATED
 - FERRULE: BRASS, GOLD PLATED
 - DIELECTRIC: PTFE
- ELECTRICAL:
 - IMPEDANCE: 50 Ω
 - FREQUENCY: DC - 12 GHz
 - INSERTION LOSS: $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB
 - CONTACT CURRENT: DC 2.0 A MAX
 - RF LEAKAGE: ≤ -60 dB (BETWEEN 2 - 3 GHz)
 - CONTACT RESISTANCE:
 - CENTER: 3.0 m Ω
 - OUTER: 2.5 m Ω
 - WORKING VOLTAGE: 335 Vrms
 - INSULATION RESISTANCE: 5,000 M Ω MIN
 - VSWR:
 - 1.15:1 (-23dB) @ DC - 12 GHz
- CABLE TYPE:
 - THE CT4498 IS INTENDED TO BE USED WITH THE FOLLOWING TYPES OF CABLE:
 - RG-142
 - RG-223
 - RG-400
- ASSEMBLY INSTRUCTIONS ON SHEET 2 OF 2.
- MECHANICAL:
 - RECOMMENDED TORQUE: 0.3 Nm TO 0.6 Nm
 - TEMPERATURE RANGE: -65 C TO +125 C
 - CENTER CONTACT CAPTIVATED: ≥ 27 N
- RoHS AND REACH COMPLIANT

Dimensions: Millimeters (Inches)

Part Number Table

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L032CT4498	SMA Connector Plug, Male Pin 50 Ohms Free Hanging (In-Line) Solder

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