

1. MATERIALS AND FINISHES:
BODY, SLEEVE, FERRULE - BRASS, GOLD PLATING (.000003 THICK MIN.)
COUPLING NUT - BRASS, GOLD PLATING (.000010 THICK MIN.)
RETAINING RING - BeCu
GASKET - SILICONE, RED
CONTACT - BRASS, GOLD PLATING (.000030 THICK MIN.)
INSULATORS - PTFE
2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 6 GHz
C. VSWR(RETURN LOSS): 1.3 - 3 GHz MAX.
1.4 - 6 GHz MAX.
D. DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS, MIN.
3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65° C TO 165° C
4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL, 901-10107, AND DATE CODE"
5. ASSEMBLY:
A. STRIP CABLE TO DIMENSIONS SHOWN
B. INSERT THROUGH INNER FERRULE, AND PEEL BRAID BACK, OVER INNER FERRULE
C. INSTALL BRASS SLEEVE, THEN INSULATOR BUSHING OVER CABLE DIELECTRIC,
BOTTOMING ON INNER FERRULE
D. SOLDER CONTACT TO CABLE CENTER CONDUCTOR, BOTTOMING ON INSULATOR
E. INSERT CABLE INTO CONNECTOR UNTIL IT BOTTOMS
F. CRIMP BODY OVER INNER FERRULE USING .105 HEX

70L

INTERFACE PER
MIL-STD-348
SMA SERIES

This technical drawing shows a side view of a 70L SMA connector assembly. The assembly consists of a main cylindrical body with a hexagonal base, a smaller cylindrical section in the middle, and a rectangular SMA connector at the end. A dashed line indicates the interface between the main body and the SMA connector. The text '70L' is printed on the side of the main body, and 'INTERFACE PER MIL-STD-348 SMA SERIES' is written below it with an arrow pointing to the dashed line.

Technical drawing of a mechanical part, likely a cross-section of a shaft or pipe. The drawing shows a hatched section on the left and a solid section on the right. Dimensions are indicated: .140 for the hatched section and .075 for the solid section.

Diagram illustrating the assembly of a wire onto a terminal block. The components are labeled: SOLDER CONTACT, INSULATOR BUSHING, BRASS SLEEVE, and FERRULE. The diagram shows the wire being inserted into the ferrule, which is then inserted into the brass sleeve, which is then inserted into the insulator bushing, which is finally inserted into the solder contact.

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