

## NOTES:

1. MATERIALS AND FINISHES:  
 BODY; SHELL; CONTACT PIN; FERRULE - BRASS, GOLD PLATING  
 INSULATOR & INSULATOR DISC - PEEK 450G, NATURAL  
 RETAINER RING - SUS 304, NATURAL  
 HEAT SHRINK TUBE - POLYOLEFIN, BLACK  
 GASKET - SILICONE RUBBER, RED

2. ELECTRICAL:  
 A. IMPEDANCE: 50 OHM  
 B. FREQUENCY RANGE: DC-12.4 GHz  
 C. VSWR (RETURN LOSS): 1.10 (-26.44 dB) MAX. DC-6 GHz  
 D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

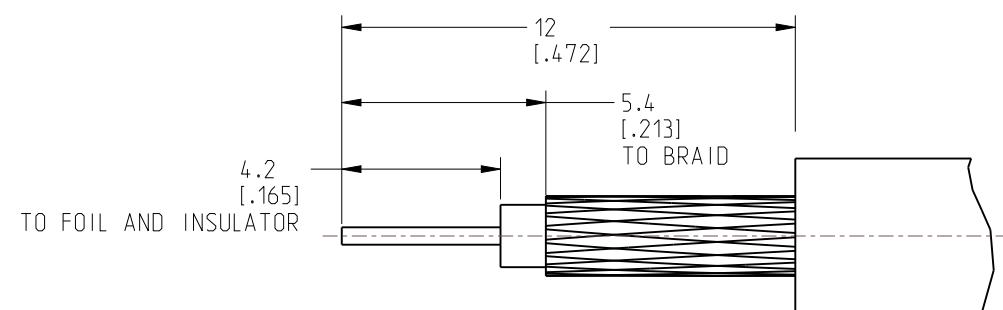
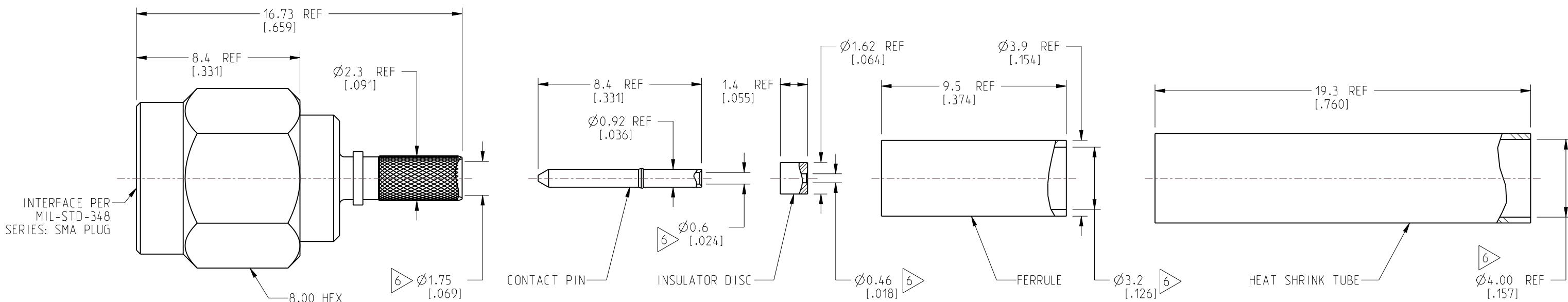
3. MECHANICAL:  
 A. DURABILITY: 500 CYCLES MIN.  
 B. TEMPERATURE RANGE: -65°C TO +165°C

4. PACKAGING:  
 A. QUANTITY: SINGLE PACK  
 B. MARKING: PACKAGING TO BE MARKED  
 "AMPHENOL RF, 901-30000, AND DATE CODE"  
 C. CONTACT PIN, INSULATOR DISC, FERRULE AND HEAT SHRINK TUBE ARE PACKAGED LOOSE.

## 5. CABLE ASSEMBLY INSTRUCTIONS:

- TRIM CABLE AS SHOWN, TAKING CARE TO NOT DAMAGE THE FOIL.
- SLIDE INSULATOR DISC, FERRULE, AND HEAT SHRINK TUBE ONTO CABLE.
- SOLDER CONTACT TO CABLE CENTER CONDUCTOR.
- INSERT CABLE AND CONTACT CENTER CONDUCTOR UNTIL THEY BOTTOM WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNUURL.
- CRIMP FERRULE OVER THE BRAID WITH .128" HEX.
- APPLY HEAT SHRINK TUBING OVER FERRULE, AND SHOULD FULLY COVER.

## 6. CABLE ENTRY DIMENSIONS

RECOMMENDED CABLE  
STRIPPING DIMENSIONSCUSTOMER OUTLINE DRAWING  
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.



REFERENCE

EAR# 12521

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:  
 <0.5mm = ±0.05mm [0.020 = ±0.002]  
 0.5 - 6mm = ±0.1mm [0.020 - 0.236 = ±0.004]  
 >6.00 - 30mm = ±0.2mm [0.236 - 1.181 = ±0.008]  
 >30.00 - 120mm = ±0.3mm [1.181 - 4.725 = ±0.012]

ANGLES = ±1°

MATERIAL  
SEE NOTESTITLE  
PFAS FREE SMA STR  
CRIMP PLUG  
FOR DACAR 462

Amphenol RF

SIZE	DRAWING NO. 901-30000	REV
B	ITEM NO. 901-30000	
	PART NO. 901-30000	A