

NOTES:

1. MATERIALS AND FINISHES:  
BODY, BODY REAR,  
& COUPLING NUT - BRASS, NICKEL PLATING  
INSULATOR - PTFE, NATURAL  
INSULATOR DISC - ULTEM, NATURAL  
CONTACT - BRASS, GOLD PLATING  
FERRULE - COPPER, NICKEL PLATING  
RETAINING RING - STAINLESS STEEL, NATURAL  
CAP - STAINLESS STEEL, PASSIVATED  
GASKET & O-RINGS - SILICONE RUBBER, RED  
ADHESIVE LINED HEAT SHRINK TUBE - POLYOLEFIN, WHITE
2. ELECTRICAL:  
A. IMPEDANCE: 50 OHM
3. MECHANICAL:  
A. DURABILITY: 500 CYCLES MIN.  
B. TEMPERATURE : -65°C TO +165°C
4. PACKAGING:  
A. QUANTITY: SINGLE PACK  
B. MARKING: BAG TO BE MARKED:  
"AMPHENOL RF, 901-10580 & DATE CODE"
5. CABLE ASSEMBLY INSTRUCTIONS:  
A. TRIM CABLE AS SHOWN.  
B. SLIDE FERRULE AND HEAT SHRINK TUBE ONTO CABLE.  
C. INSERT CABLE CENTER CONDUCTOR INTO INSULATOR DISC  
UNTIL INSULATOR DISC BOTTOMS ON CABLE DIELECTRIC.  
D. INSERT CABLE INTO CONNECTOR.  
E. SOLDER CONTACT TO CABLE CENTER CONDUCTOR.  
F. CRIMP FERRULE WITH .213" HEX.  
G. APPLY HEAT SHRINK TUBING OVER FERRULE.  
H. HEAT SHRINK TUBING SHOULD FULLY (360°) COVER  
THE BUMP ON BODY AND END WITHIN AREA "A".
6. CAP ASSEMBLY INSTRUCTIONS:  
A. PLACE O-RING ON CAP AS SHOWN.  
B. ASSEMBLE CAP TO BODY WITH 5 IN-LBS MAX TORQUE.
7. ADHESIVE LINED HEAT SHRINK TUBE IS INCLUDED (NOT SHOWN).
- 8 SHOWS CABLE ENTRY DIMENSIONS.

INTERFACE PER  
MIL-STD-348  
SERIES: SMA PLUG

8.0 HEX  
[.315]

7.14  
[.9/32"]  
ACROSS FLATS

Ø 4.29 REF  
[.169]  
TYP(4)

INSULATOR DISC

THIRD ANGLE PROJ.

M4XP0.7-6g THREAD

O-RING

CAP

21.43 REF  
[.844]

17.68 REF  
[.696]

AREA "A"  
1.5 MAX.  
[.059]  
FROM BODY  
TO HST

Ø 3.09  
[.122]

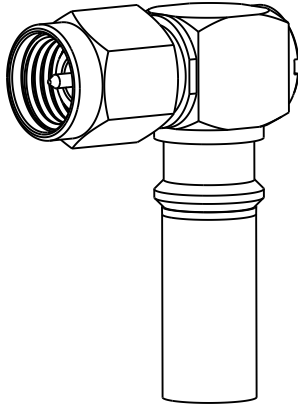
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FERRULE

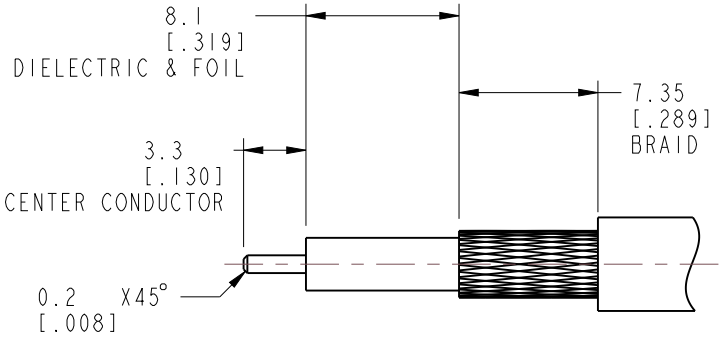
Ø 5.23  
[.206]

REVISIONS

REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG	23-Feb-18	07406	SS
B	NO CHANGE TO THIS SHEET	15-Nov-18	09663	KS
C	17.78 REF WAS 17.6 REF; 14 REF WAS 13.83 REF.	15-Mar-19	10985	KEN
D	NO CHANGED ON THIS SHEET	20-Dec-19	14024	SH



SCALE 2.000



RECOMMENDED CABLE  
STRIPPING DIMENSIONS

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm      0.5 - 6mm      6 - 30mm      30 - 120mm      ANGLES ± 0.05mm    ±0.1mm      ±0.2mm      ± 0.3mm      ±1°	MATERIAL	DRAWN	DATE	TITLE		Amphenol RF  www.amphenolrf.com	
	SEE NOTES	K.SONG	20-Dec-19				
	REFERENCE	ENGINEER	DATE	SMA R/A CRIMP PLUG IP 67 FOR LMR-195 CABLE		DRAWING NO. 901-10580	
	EAR# 7829	RAJAGOPAL N	06-Jul-17			ITEM NO. 901-10580	
	REF:	APPROVED	DATE	SCALE: 4.5:1.0		SHEET 2 OF 2	
	CONFIGURATION LEVEL: In Work	S.HSIEH	20-Dec-19	DWG SIZE		REV	
	FINISH	CAD FILE		B		D	
						PART NO. 901-10580	

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