

NOTES:
1. MATERIAL AND FINISH (PLATING THICKNESS IN MICRO-INCHES):
BODY; SHELL - BRASS, NICKEL PLATING
CONTACT PIN - BRASS, GOLD PLATING
INSULATOR - PTFE, NATURAL
INSULATOR DISC - ULTEM, NATURAL
RETAINER RING - SUS 304, NATURAL
GASKET - SILICONE RUBBER, RED
FERRULE - COPPER, NICKEL PLATING
HEAT SHRINK TUBING - POLYOLEFIN, BLACK

2. ELECTRICAL:
A. IMPEDANCE:50 OHM
B. FREQUENCY RANGE: 0-12.4 GHz
C. VSWR (RETURN LOSS): 1.10 (-26dB) DC-6 GHz
1.20 (-20dB) 6-12.4 GHz
D. DIELECTRIC WITHSTANDING VOLTAGE:500 VRMS. MIN.

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

4. CABLE ASSEMBLY INSTRUCTIONS:
A. TRIM CABLE AS SHOWN, TAKING CARE TO NOT DAMAGE THE FOIL.
B. SLIDE INSULATOR DISC, FERRULE AND HEAT SHRINK TUBE ONTO CABLE
C. SOLDER CONTACT TO CABLE CENTER CONDUCTOR
D. INSERT CABLE AND CONTACT INTO CONNECTOR.
FOIL IS A SLIP FIT INTO Ø1.75 BODY DIAMETER
E. CRIMP FERRULE WITH .128" HEX

5. CABLE ENTRY DIMENSIONS

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MANUFACTURING	07-May-19	11442	CJV

6. PACKING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED "AMPHENOL RF, 901-10604, DATE CODE"

12 TO JACKET

5.4 TO BRAID

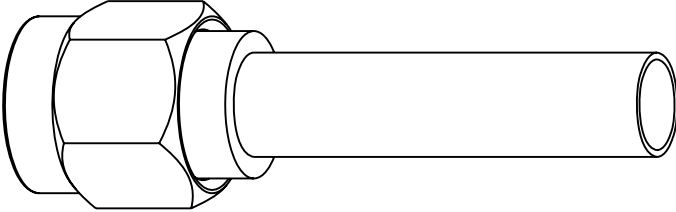
4.2 INNER CONDUCTOR

JACKET

DIELECTRIC & FOIL

RECOMMENDED
CABLE STRIPPING DIM'S

SCALE 3.000



8 HEX

INTERFACE: SMA PLUG

Ø2.3 REF

Ø1.75

8.4 REF

15.4 REF

CONTACT PIN

Ø0.92 REF

Ø0.6

7.9REF.

INSULATOR DISC

Ø1.62 REF

Ø0.46

1.9 REF

FERRULE

Ø3

Ø3.8 REF

7 REF

HEAT SHRINK TUBING

Ø4 REF.

19.3 REF

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm ± 0.05mm 0.5 - 6mm ± 0.1mm 6 - 30mm ±0.2mm 30 - 120mm ± 0.3mm ANGLES ±1°

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MATERIAL
SEE NOTES

REFERENCE
EAR 7994

CONFIGURATION LEVEL:

FINISH

DRAWN
W.ZENG

ENGINEER
S.DUAN

APPROVED
S.HSIEH

CAD FILE

DATE
8-May-19

DATE
17-May-19

DATE
20-May-19

TITLE
SMA CRIMP PLUG
FOR LMR-100A CABLE

SCALE: 6.0:1.0

SHEET 2 OF 2

DWG SIZE
B

REV
A

Amphenol RF
www.amphenolrf.com

DRAWING NO. 901-10604

ITEM NO. 901-10604

PART NO. 901-10604