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NOTES:

1. MATERIALS AND FINISHES:
SMPM RA PLUG
CAP - BRASS, NICKEL PLATING
BODY - BRASS , GOLD PLATING
CONTACT AND OUTER CONTACT - BeCu, GOLD PLATING
INSULATOR - PTFE, NATURAL
INSULATOR DISC - ULTEM 1000, NATURAL

SMPM STR PLUG
BODY AND CONTACT- BeCu, GOLD PLATING
INSULATOR - PTFE, NATURAL

CABLE - WD255

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM

3. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, 95-725-128-XXX AND DATE CODE"

SEE TABLE

REVDESCRIPTIONDATEECNBY
ARELEASE TO MFG.02-NOV-2216453SH
BCHANGE THE CABLE11-JAN-2416888SH

SCALE 1.000

LENGTH 'L' (SEE TABLE)

HEAT SHRINK TUBE
TYP(2)

25.40±1.27
[1.000±0.050]
TYP(2)

INTERFACE PER
MIL-STD-348
SERIES: SMPM PLUG
TYP(2)

LENGTH TABLE

PART NUMBER (IMPERIAL)	PART NUMBER (METRIC)	LENGTH 'L' IN INCHES [MM]
95-725-128-003	-	3.00 [76.00]
-	95-725-128M010	3.94 [100.00]
95-725-128-004	-	4.00 [102.00]
95-725-128-005	-	5.00 [127.00]
95-725-128-006	-	6.00 [152.00]
95-725-128-007	-	7.00 [178.00]
95-725-128-008	-	8.00 [203.00]
95-725-128-009	-	9.00 [229.00]
-	95-725-128M025	9.84 [250.00]
95-725-128-010	-	10.00 [254.00]
95-725-128-011	-	11.00 [279.00]
95-725-128-012	-	12.00 [305.00]
95-725-128-018	-	18.00 [457.00]
-	95-725-128M050	19.69 [500.00]
95-725-128-024	-	24.00 [610.00]
-	95-725-128M075	29.53 [750.00]
95-725-128-036	-	36.00 [914.00]
-	95-725-128M100	39.37 [1000.00]
95-725-128-048	-	48.00 [1219.00]
-	95-725-128M200	78.74 [2000.00]

TOLERANCE TABLE

LENGTH IN INCHES/FT [METERS]	TOLERANCE
0" - 23.99" [0 - 0.609]	±0.25" [0.006]
24.00" - 59.99" [0.610 - 1.523]	±0.50" [0.013]
5.0' - 24.99' [1.524 - 7.617]	±2.5%
25.0' & UP [7.620 & UP]	±5.0%

DESIGN REQUIREMENTS:

☒ FREQUENCY: DC - 18 GHz

☒ CONTINUITY

☒ VSWR: 1.30 MAX. @ DC - 10 GHz
1.50 MAX. @ 10 - 18 GHz

☒ HI-POT: 250 VRMS

☐ INS. LOSS: ____ dB MAX.

☐ OTHER

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THIRD ANGLE PROJ.REFERENCE

EAR#
10814

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 NOTES

ENGR.1
VIJAY N M

ENGR.2
M.ZHANG

DATE
13-JUN-23

TITLE
SMPM RA PLUG TO
SMPM STR PLUG USING
WD255 CABLE VARIOUS LENGTH

SHEET NO. 2 OF 2

SCALE: 5.0:1.0

Amphenol RF

SIZE
B

DRAWING NO. 95-725-128-XXX
ITEM NO. 95-725-128-XXX
PART NO. 95-725-128-XXX

REV
B

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CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY