

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 100, NATURAL

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM

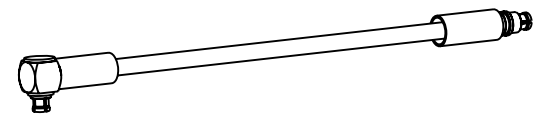
3. PACKAGING:

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

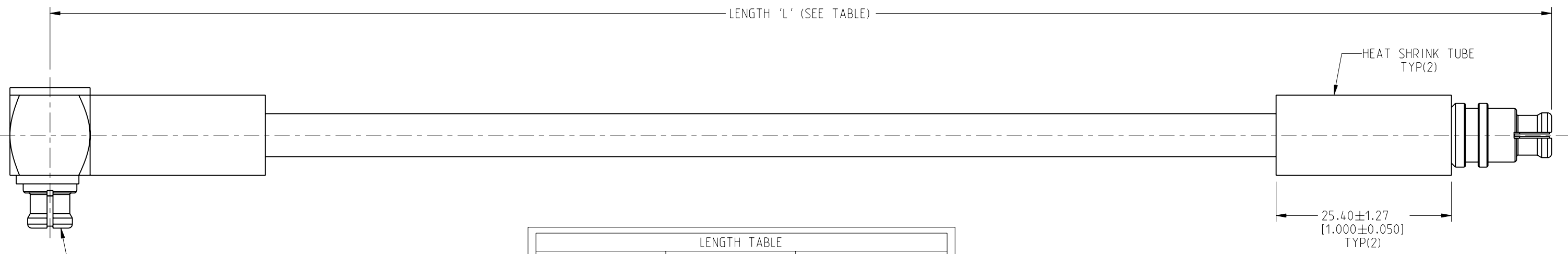
SMPM STR PLUG  
 BODY AND CONTACT- BeCu, GOLD PLATING  
 INSULATOR - PTFE, NATURAL

CABLE - TFLX 405

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	02-NOV-22	16453	SH



SCALE 1.000



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:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> FREQUENCY: DC - 18 GHz                                   | <input checked="" type="checkbox"/> CONTINUITY       |
| <input checked="" type="checkbox"/> VSWR: 1.30 MAX. @ DC - 10 GHz<br>1.50 MAX. @ 10 - 18 GHz | <input checked="" type="checkbox"/> HI-POT: 250 VRMS |
| <input type="checkbox"/> INS. LOSS: _____ dB MAX.  | <input type="checkbox"/> OTHER                       |

**CUSTOMER OUTLINE DRAWING**  
 ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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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 08-Oct-22

TITLE  
 SMPM RA PLUG TO SMPM STR PLUG USING TFLX 405 CABLE VARIOUS LENGTH

SHEET NO. 2 OF 2 SCALE: 5.0:1.0

Amphenol RF

SIZE	DRAWING NO. 95-725-128-XXX	REV
	ITEM NO. 95-725-128-XXX	A
	PART NO. 95-725-128-XXX	