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NOTES:

1. MATERIALS AND FINISHES:

SMPM STR PLUG
BODY - BeCu, GOLD PLATING
CONTACT - BeCu, GOLD PLATING
INSULATOR - PTFE, NATURAL
CABLE - TFLX 405

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM

3. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, 95-725-127-XXX AND DATE CODE"

SEE TABLE

REV

DESCRIPTION

DATE

ECN

BY

A

RELEASE TO MFG.

15-SEP-22

16392

SH

SCALE 1.200

HEAT SHRINK TUBE
TYP(2)

25.40±1.27
[1.000±0.050]
TYP(2)

LENGTH 'L' (SEE TABLE)

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

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

LENGTH TABLE

PART NUMBER (IMPERIAL)	PART NUMBER (METRIC)	LENGTH 'L' IN INCHES [MM]
95-725-127-003	-	3.00 [76.00]
-	95-725-127M010	3.94 [100.00]
95-725-127-004	-	4.00 [102.00]
95-725-127-005	-	5.00 [127.00]
95-725-127-006	-	6.00 [152.00]
95-725-127-007	-	7.00 [178.00]
95-725-127-008	-	8.00 [203.00]
95-725-127-009	-	9.00 [229.00]
-	95-725-127M025	9.84 [250.00]
95-725-127-010	-	10.00 [254.00]
95-725-127-011	-	11.00 [279.00]
95-725-127-012	-	12.00 [305.00]
95-725-127-018	-	18.00 [457.00]
-	95-725-127M050	19.69 [500.00]
95-725-127-024	-	24.00 [610.00]
-	95-725-127M075	29.53 [750.00]
95-725-127-036	-	36.00 [914.00]
-	95-725-127M100	39.37 [1000.00]
95-725-127-048	-	48.00 [1219.00]
-	95-725-127M200	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%

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.

REFERENCE

ENG#
10813

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:
<0.5mm = ±0.05mm [$<0.020 = \pm0.002$]
>0.5 - 6mm = ±0.1mm [$>0.020 - 0.236 = \pm0.004$]
>6.00 - 30mm = ±0.2mm [$>0.236 - 1.181 = \pm0.008$]
>30.00 - 120mm = ±0.3mm [$>1.181 - 4.725 = \pm0.012$]
ANGLES = ±1°

MATERIAL

SEE NOTES

ENGR.1
SASI D

ENGR.2
M.ZHANG

DATE
31-AUG-22

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

SHEET NO. 2 OF 2

SCALE: 5.8:1.0

SIZE
B

DRAWING NO.
95-725-127-XXX

ITEM NO.
95-725-127-XXX

PART NO.
95-725-127-XXX

REV
A

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