

THIRD ANGLE PROJ. 

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	13-Jun-14		NL
B	TITLE WAS CHANGED, ADDED PART NO. PSMP-MSLD-PCTEM ADDED RECOMMENDED MOUNTING HOLE	03-Dec-15	50842	SW

2. ELECTRICAL:

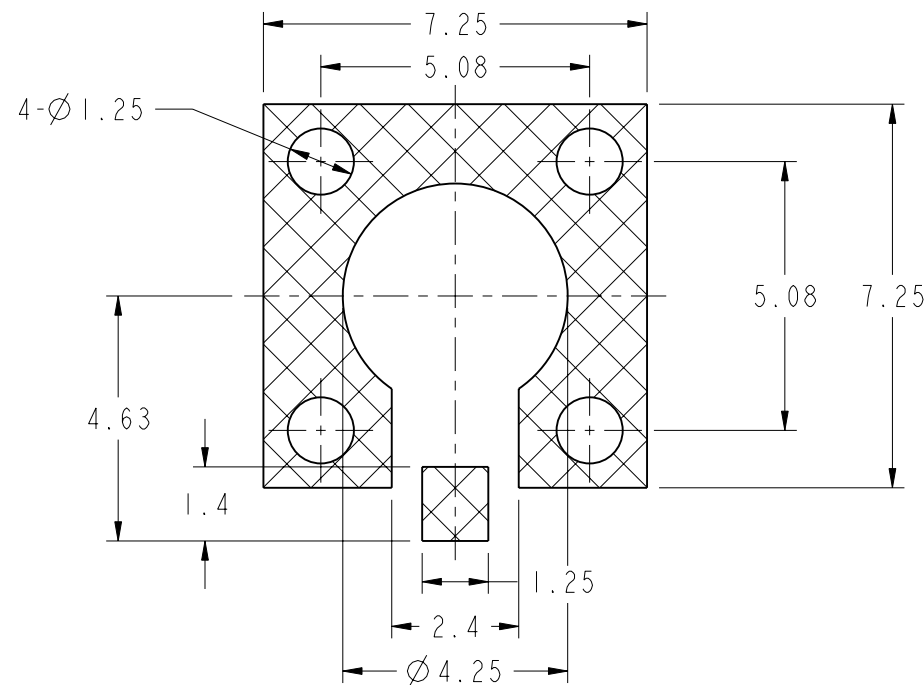
- A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC-10 GHz
C. RETURN LOSS: 30 dB MIN. @ DC-4 GHz
25 dB MIN. @ 4-6 GHz
D. INSERTION LOSS: $0.03X\sqrt{f(\text{GHz})}$ dB MAX.
E. INSULATION RESISTANCE: 5 GΩ MIN.
F. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN.
G. POWER HANDLING: 200 W MAX. @ 2.2 GHz AT 20°C, SEA LEVEL, VSWR 1.0
H. INTERMODULATION(3rd order): 160 dBc MIN. @ (2X43dBm)

A. MATING CYCLES: 100 MIN.
B. ENGAGEMENT FORCE: 45 N MAX
C. DISENGAGEMENT FORCE: 15 N MIN
D. INNER CONTACT RETENTION FORCE: 7 N MIN
E. TEMPERATURE RANGE: -65° C TO 165° C

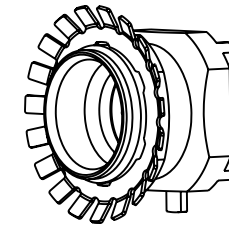
Technical drawing of a mechanical component, likely a connector or probe, showing dimensions and tolerances. The drawing includes a central vertical axis and a horizontal axis. Key dimensions and tolerances are:

- Overall width: $4.2^{+0.06}_{-0.04}$
- Overall height: $1.9^{+0.26}_0$
- Outer diameter: $\varnothing 9.6$
- Inner diameter: $\varnothing 5.7$
- Bottom width: $5.1^{0}_{-0.7}$
- Bottom height: 5.48
- Small vertical dimensions: 0.4 and $0.1^{0}_{-0.15}$

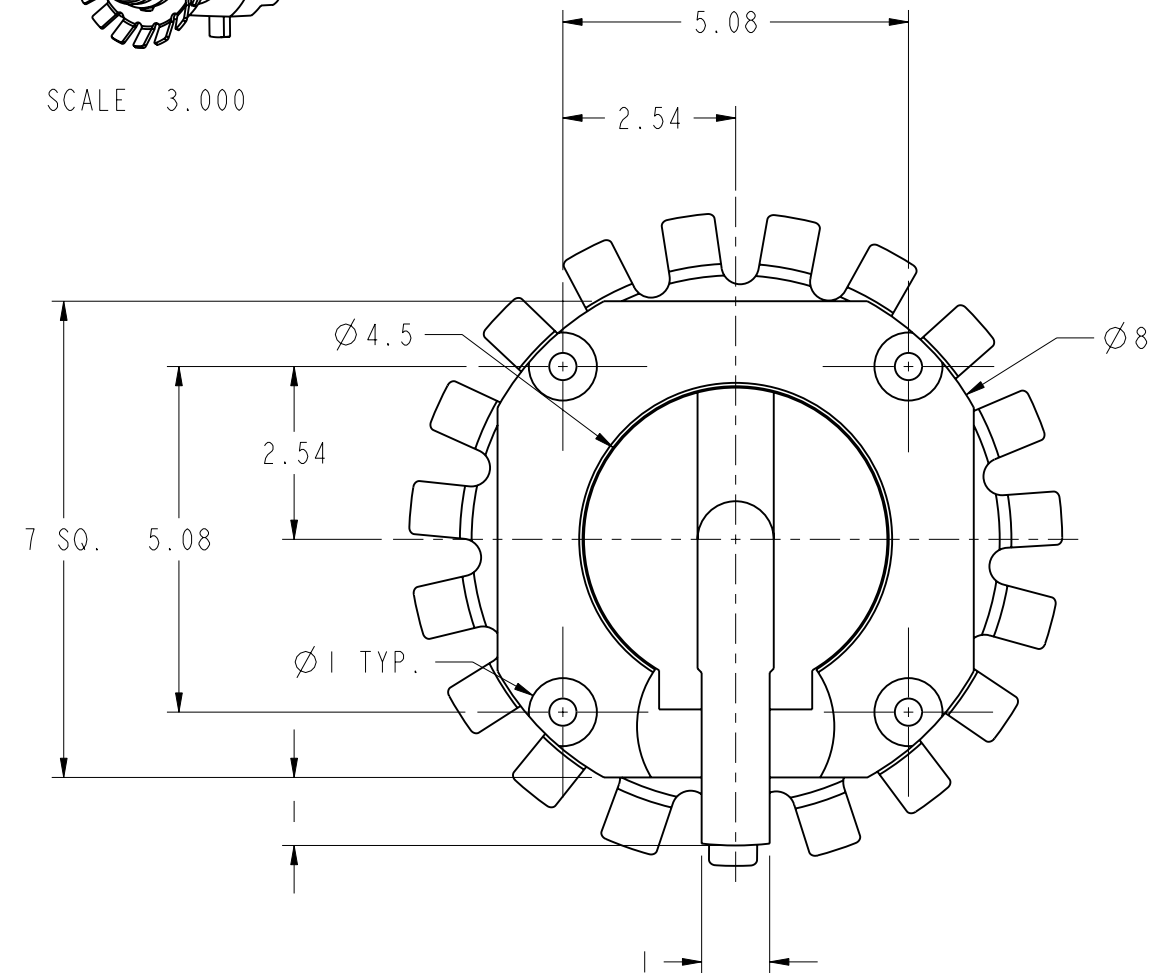
The drawing also indicates a VSWR of 1.0.



RECOMMENDED MOUNTING HOLE



SCALE 3.000



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 STAMN	DATE 03-Dec-15	TITLE POWER-SMP STRAIGHT MALE FOR PCB LIMITED DETENT		Amphenol RF www.amphenolrf.com	
NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other sperson to manufacture, use or sell any product, process or design, patented or otherwisle, that may in any way be related to or disclosed by said drawings, specifications, or other data.	ENGINEER F.WANG	DATE 13-Jun-14	DRAWING NO. PSMP1251D1-001-8GPAP8GPA-50				
	REFERENCE EAR04936 119S10C-40ML5	APPROVED RICKSON	DATE 03-Dec-15	SCALE: 8.0:1.0	SHEET 2 OF 2	ITEM NO. 671251ABFA12C5F	
	FINISH	CAD FILE	DWG SIZE B		REV B	PART NO. PSMP-MSLD-PCTEM	