

NOTES:

THIRD ANGLE PROJ.

REVISIONS

1. MATERIALS AND FINISHES:

BODY - BRASS, GOLD PL. .000008"[0.2um] THICK OVER PHOSPHORUS CONTENT 9%~13% ELECTROLESS
NICKEL PL. .000100"[2.5um] THICK OVER MIN PL..000025"[0.64um] COPPER.
CONTACT - BRASS, GOLD PL. .000008"[0.2um] THICK OVER PHOSPHORUS CONTENT 9%~13% ELECTROLESS
NICKEL PL. .000100"[2.5um] THICK OVER MIN PL..000025"[0.64um] COPPER.
INSULATOR - PEEK

2. ELECTRICAL:

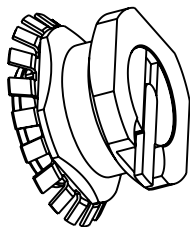
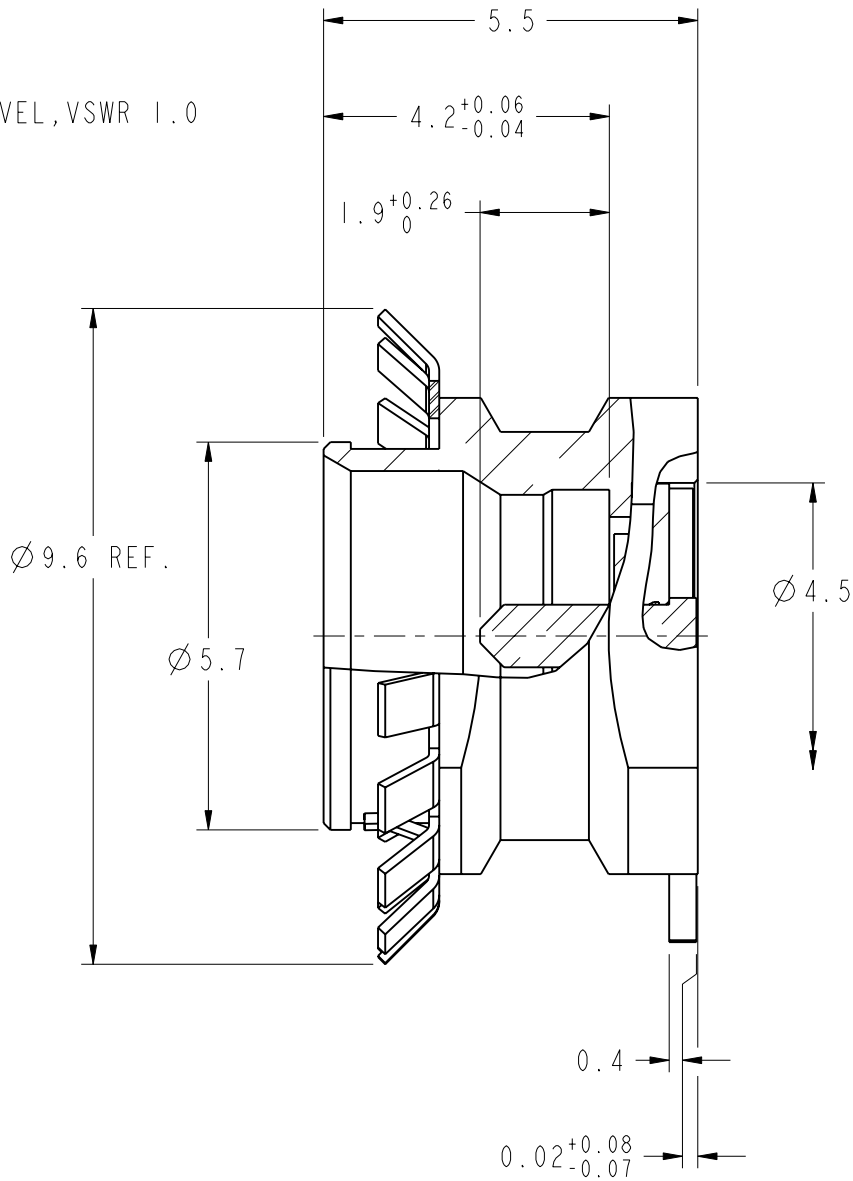
- A. IMPEDANCE:50 OHM
- B. FREQUENCY RANGE: DC-10 GHz
- C. RETURN LOSS: 30 dB MIN.@ DC-4 GHz
25 dB MIN.@ 4-6 GHz
- D. INSERTION LOSS: $0.03X\sqrt{f(\text{GHz})}$ dB MAX.
- E. INSULATION RESISTANCE:5 GΩ MIN.
- F. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN.
- G. POWER HANDLING:200 W MAX.@ 2.2 GHz AT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

3. MECHANICAL:

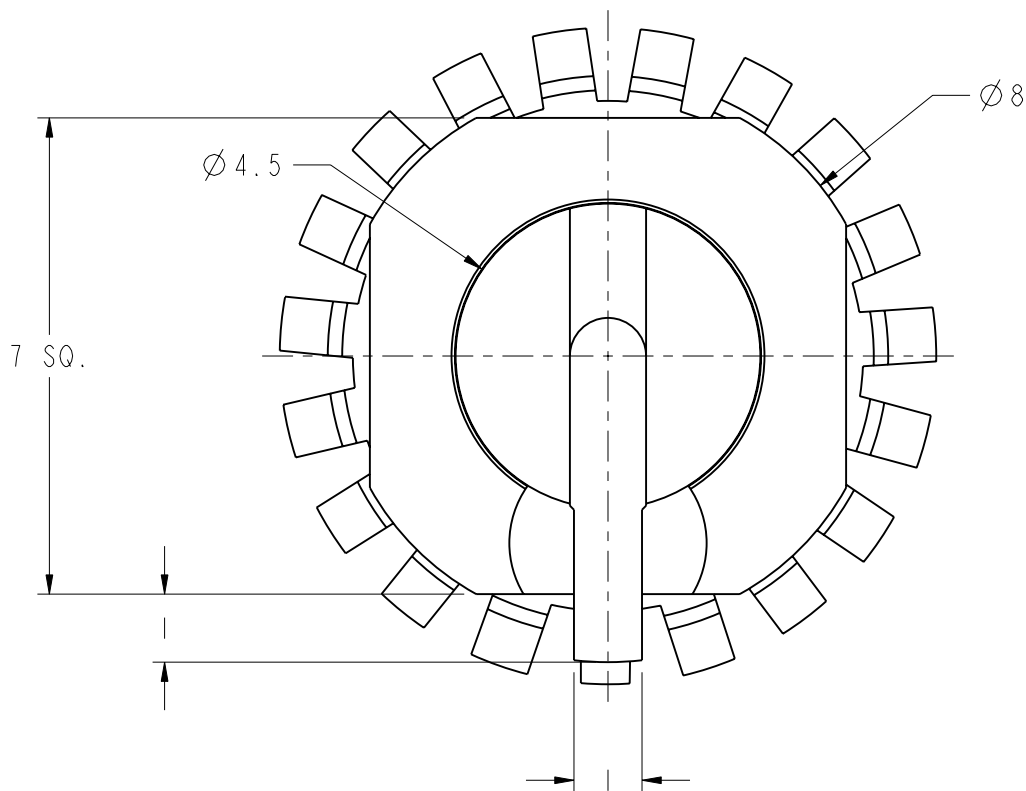
- A. MATING CYCLES:100 MIN.
- B. ENGAGEMENT FORCE: 10 N MAX
- C. DISENGAGEMENT FORCE: 2.2 N MIN
- D. INNER CONTACT RETENTION FORCE: 7 N MIN
- E. TEMPERATURE RANGE: -65° C TO 165° C

4. ALLOWABLE COMPRESSION OF EMI RING: 0.4 MM MAX.

5. ALL MATERIALS MUST BE "RoHS" COMPLIANT.



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 ± 0.05mm 0.5 - 6mm ±0.1mm 6 - 30mm ±0.2mm 30 - 120mm ± 0.3mm ANGLES ±1°

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MATERIAL	DRAWN	DATE	TITLE POWER-SMP STRAIGHT MALE FOR PCB LIMITED DETENT		Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com
	ENGINEER	DATE			
	REFERENCE EAR 06666 119S106-40ML5	APPROVED	DATE	SCALE: 10.0:1.0 SHEET 2 OF 2	DRAWING NO. PSMPI251DI-002-8GPAP8GPA-50
	FINISH	I:\PSMP\PSMPI251DI-002-8GPAP8GPA-50		DWG SIZE B REV A	ITEM NO. 671251ABTA12C5F PART NO. PSMP-MSLD-PCSEM