

DESCRIPTION

PMI MODEL: PMC-9D5G10D5G-7D6-SFF IS A MONOPULSE COMPARATOR OPERATING OVER THE 9.5 TO 10.5 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MAXIMUM 7.6 dB INSERTION LOSS WHILE MAINTAINING A MAXIMUM AMPLITUDE BALANCE OF ± 0.5 dB AND A MAXIMUM PHASE BALANCE OF $\pm 5^\circ$.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 9.5 GHz TO 10.5 GHz
- INSERTION LOSS: ----- 7.6 dB MAXIMUM
- AMPLITUDE BALANCE: ----- ± 0.5 dB MAXIMUM
- PHASE BALANCE: ----- $\pm 5^\circ$ MAXIMUM
- ISOLATION: ----- 20 dB MINIMUM
- VSWR: ----- 1.5:1 MAXIMUM
- POWER HANDLING: ----- AVERAGE: 10 WATT MAXIMUM (PORT A, B, C & D)
PEAK: 0.1 kW MAXIMUM
- IMPEDANCE: ----- 50 Ω
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 88.49 mm x 88.49 mm x 11 mm
3.48" x 3.48" x 0.43"
EXCLUDING CONNECTORS
- FINISH: ----- BLUE EPOXY POLIMIDE COATING IAW
MIL-C-22750, TYPE I OVER EPOXY POLIMIDE
PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 $^\circ$ C TO +85 $^\circ$ C (OPERATING)
-65 $^\circ$ C TO +125 $^\circ$ C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

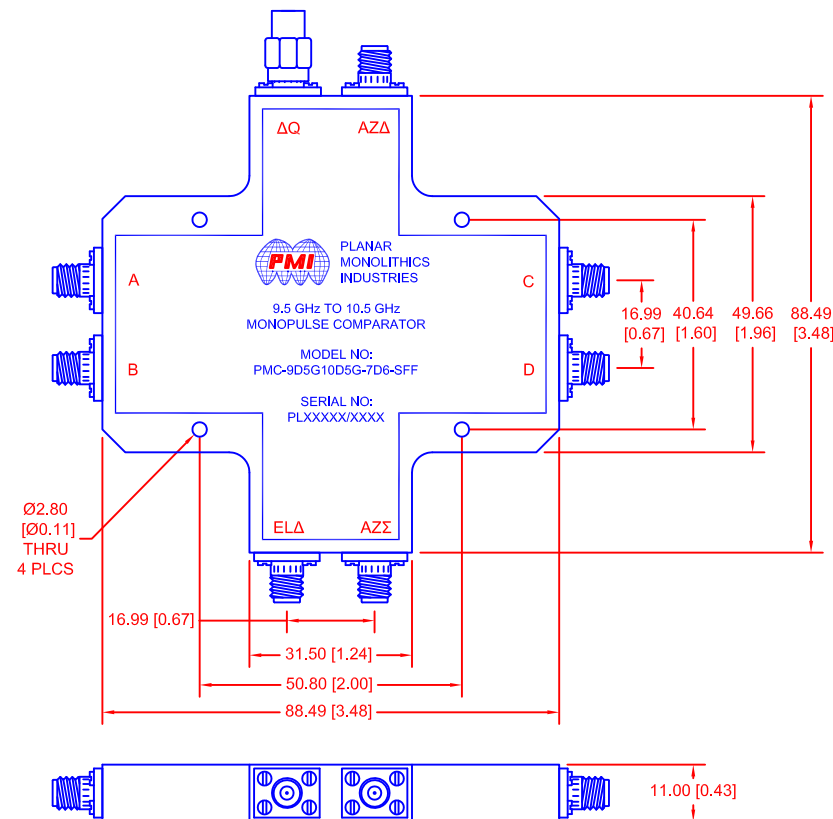
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX $\pm$ 0.508 [0.020]
X.XXX $\pm$ 0.254 [0.010]

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/12/17	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>JPH</i>		7/14/17		PRODUCT FEATURE	
REDRAWN <i>EMF</i>		9/12/17		9.5 TO 10.5 GHz Monopulse Comparator	
ISSUED				PMC-9D5G10D5G-7D6-SFF	
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	PRELIMINARY	-		
SCALE	N:S			SHEET	1 OF 1