

DESCRIPTION

PMI MODEL: PMC-12G13G-1D6-SFF IS A MONOPULSE COMPARATOR OPERATING OVER THE 12.0 TO 13.0 GHz FREQUENCY RANGE THIS MODEL OFFERS A MAXIMUM 1.6 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: ----- 12.0 GHz TO 13.0 GHz
- NOMINAL SPLIT: ----- 6.02 dB
- INSERTION LOSS: ----- 1.6 dB MAXIMUM
- ISOLATION: ----- 18 dB MINIMUM
- AMPLITUDE BALANCE: ----- ± 0.5 dB MAXIMUM
- PHASE BALANCE: ----- $\pm 5^\circ$ MAXIMUM
- 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

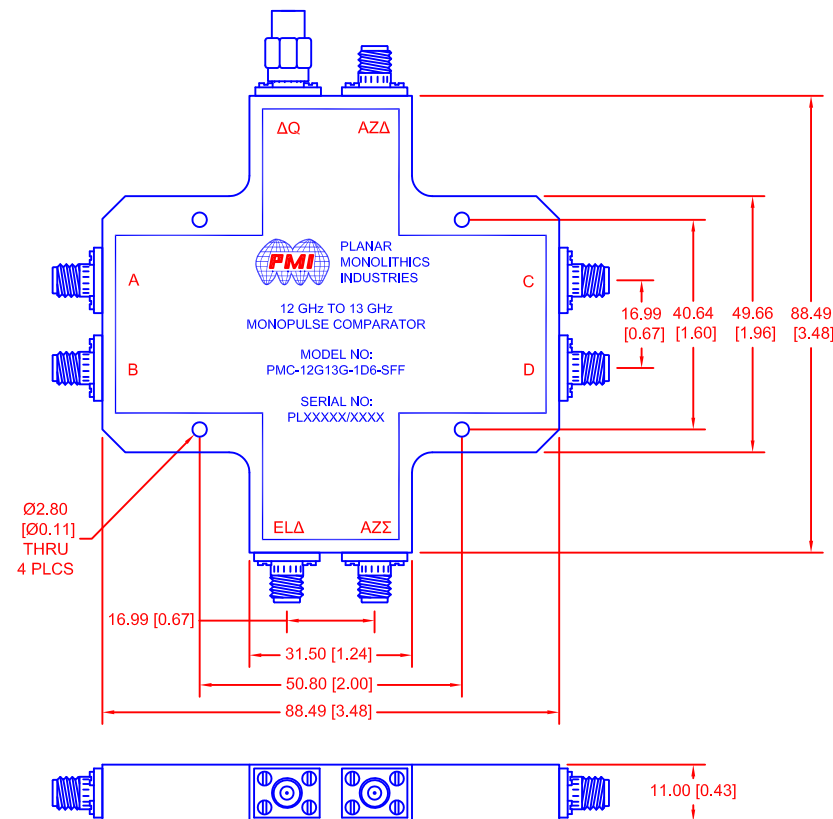
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	3/6/18	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE		PRODUCT FEATURE	
DRAWN		1/14/17		12.0 to 13.0 GHz Monopulse Comparator		PMC-12G13G-1D6-SFF	
REDRAWN		3/6/18		SIZE		FSCM NO.	
ISSUED				A		05XQ0	
				DWG NO.		PRELIMINARY	
				SCALE		N:S	
				SHEET		1 OF 1	