

DESCRIPTION

PMI MODEL: PMC-600M3G500M-SFF IS A MONOPULSE COMPARATOR OPERATING OVER THE 0.6 TO 3.5 GHz FREQUENCY RANGE THIS MODEL OFFERS A MAXIMUM 4.2 dB INSERTION LOSS WHILE MAINTAINING A MAXIMUM AMPLITUDE BALANCE OF ± 1.6 dB AND A MAXIMUM PHASE BALANCE OF $\pm 12^\circ$.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 0.6 TO 3.5 GHz
- NOMINAL SPLIT: ----- 6.02 dB
- INSERTION LOSS: ----- 4.2 dB MAXIMUM
- AMPLITUDE BALANCE: ----- ± 1.6 dB MAXIMUM
- PHASE BALANCE: ----- $\pm 12^\circ$ MAXIMUM
- ISOLATION: ----- 15 dB MINIMUM
- VSWR: ----- 1.70:1 MAXIMUM
- POWER HANDLING: ----- AVERAGE: 30 WATT MAXIMUM
PEAK: 1 KW MAXIMUM
- IMPEDANCE: ----- 50 Ω
- CONNECTORS: ----- SMA FEMALE
- FINISH: ----- PAINTED BLUE.

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -20 °C TO +85 °C (OPERATING)
-30 °C TO +95 °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

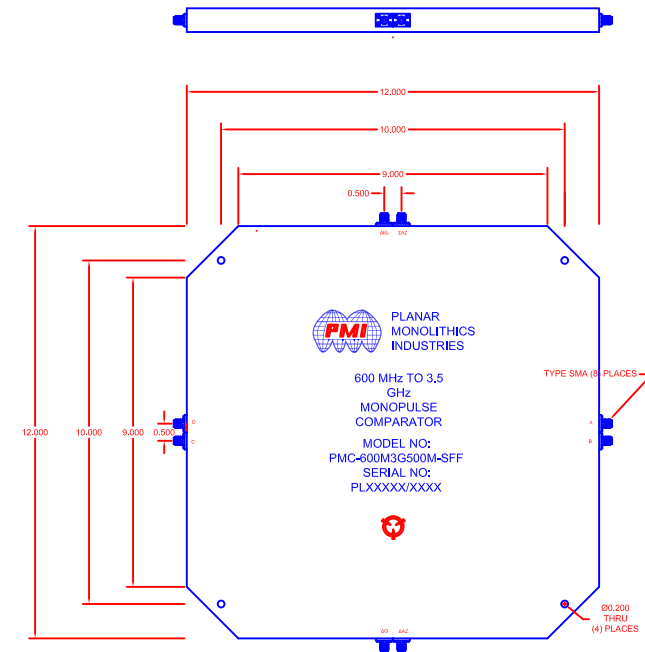
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/10/22	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			REV.	
DRAWN		10/10/22		PRODUCT FEATURE			-	
REDRAWN				0.6 TO 3.5 GHz Monopulse Comparator				
ISSUED				PMC-600M3G500M-SFF				
				SIZE	FSCM NO.	DWG NO.		
				A	05XQ0			
				SCALE	N:S		SHEET	1 OF 1