

## DESCRIPTION

PMI MODEL: PMC-16G17G-SMA IS A MONOPULSE COMPARATOR OPERATING OVER THE 16 TO 17 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MAXIMUM 2.6 dB INSERTION LOSS WHILE MAINTAINING A MAXIMUM AMPLITUDE BALANCE OF  $\pm 0.8$  dB AND A MAXIMUM PHASE BALANCE OF  $\pm 10^\circ$ .

## SPECIFICATIONS

- FREQUENCY RANGE: \_\_\_\_\_ 16 GHz TO 17 GHz
- INSERTION LOSS: \_\_\_\_\_ 2.6 dB MAXIMUM
- NOMINAL SPLIT: \_\_\_\_\_ 6.02 dB
- AMPLITUDE BALANCE: \_\_\_\_\_  $\pm 0.8$  dB MAXIMUM
- PHASE BALANCE: \_\_\_\_\_  $\pm 10^\circ$  MAXIMUM
- ISOLATION: \_\_\_\_\_ 18 dB MINIMUM
- VSWR: \_\_\_\_\_ 1.60:1 MAXIMUM
- POWER HANDLING: \_\_\_\_\_ AVERAGE: 30 WATT MAXIMUM  
PEAK: 1 kW MAXIMUM
- IMPEDANCE: \_\_\_\_\_ 50  $\Omega$
- CONNECTORS: \_\_\_\_\_ SMA FEMALE  
3.125" X 3.125" X 0.440"  
EXCLUDING CONNECTORS
- SIZE: \_\_\_\_\_ PAINTED BLUE

PHASE OFFSET				
INPUT	AZ $\Sigma$	EL $\Delta$	$\Delta$ AZ	$\Delta$ Q
A	0°	-90°	180°	90°
B	0°	-90°	0°	-90°
C	0°	90°	180°	-90°
D	0°	90°	0°	90°

## ENVIRONMENTAL RATINGS

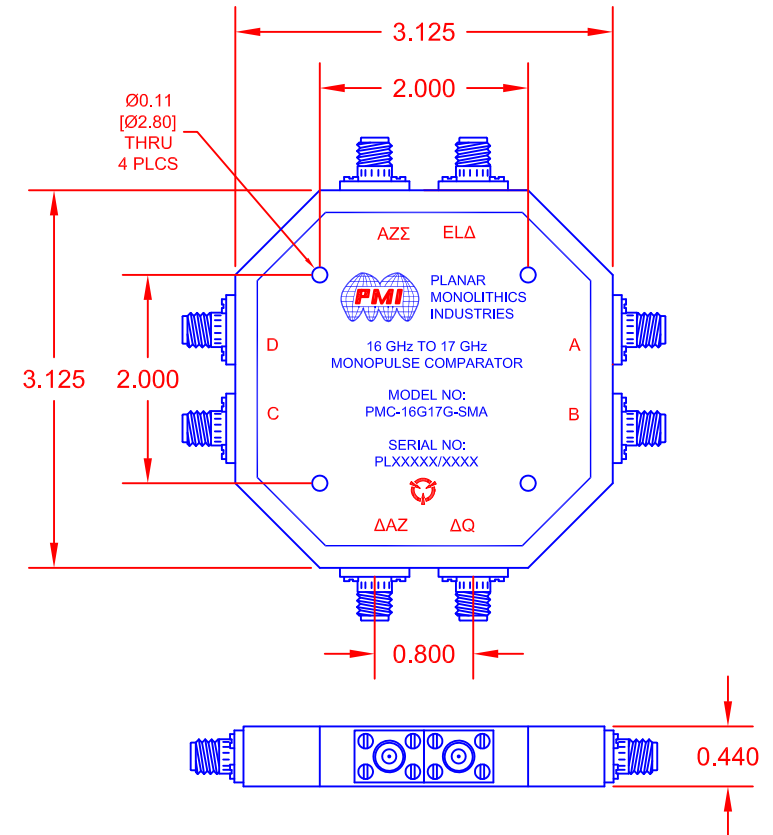
- TEMPERATURE: \_\_\_\_\_ -55°C TO + 85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY: \_\_\_\_\_ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: \_\_\_\_\_ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: \_\_\_\_\_ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: \_\_\_\_\_ MIL-STD-202F, METHOD 105C COND.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

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/11/21	
	B1	ECN # 22-0065	5/16/22	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	<i>AF</i>	6/11/21	PRODUCT FEATURE PMC-16G17G-SMA		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27042560
			SCALE	N:S	SHEET 1 OF 1
			REV.	B1	