DESCRIPTION

PMI MODEL: PMC-9G10G-7D9-SFF IS A MONOPULSE COMPARATOR OPERATING OVER THE 9.0 TO 10.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MAXIMUM INSERTION LOSS OF 1.9 dB MAXIMUM IF INPUT SIGNALS AT PORTS A, B, C AND D ARE EQUAL IN AMPLITUDE OR POWER & INPHASE WITH AN OUTPUT AT PORT AZZ. INSERTION LOSS OF 7.9 dB MAXIMUM IF INPUT SIGNAL AT PORT A, B, C or D AND ALL OTHER PORTS ARE TERMINATED TO 50 OHMS WITH AN OUTPUT AT PORTS EL Δ , AZZ, AQ or AZ Δ , WHILE MAINTAINING A MAXIMUM AMPLITUDE BALANCE OF \pm 0.6 dB AND A MAXIMUM PHASE BALANCE OF \pm 6°.

SPECIFICATIONS

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FREQUENCY RANGE:	9.0 GHz TO 10.0 GHz
INSERTION LOSS:	1.9 dB MAXIMUM (If input signals at ports A, B, C and D are equal Amplitude or Power & Inphase with an output at Port $AZ\Sigma$)
INSERTION LOSS:	7.9 dB MAXIMUM (If input signals at port A, B, C or D and all other ports are terminated to 50 Ohms with an output at ports EL Δ , AZ Σ , Δ Q or AZ Δ)
AMPLITUDE BALANCE:	±0.6 dB MAXIMUM
PHASE BALANCE:	±6° MAXIMUM
• ISOLATION:	
• VSWR:	
POWER HANDLING:	- AVERAGE: 10 WATT MAXIMUM (PORT A, B, C & D) PEAK: 0.1 kW MAXIMUM
• IMPEDANCE:	50 Ω
CONNECTORS:	SMA FEMALE
• SIZE:	
	3.48" x 3.48" x 0.43" EXCLUDING CONNECTORS
• FINISH:	PAINTED BLUE

ENVIRONMENTAL RATINGS

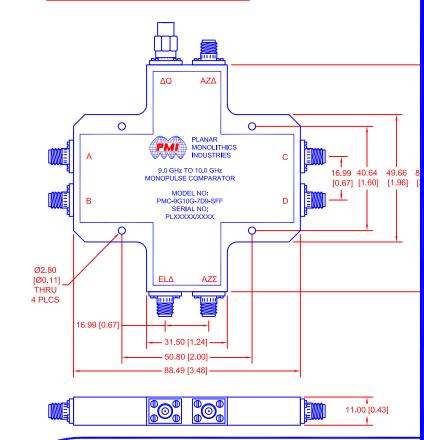
TEMPERATURE:	-55 °C TO +85 °C (OPERATING) -65 °C TO +125 °C (STORAGE)
• HUMIDITY:	MIL-STD-202, METHOD 103B COND. B
• SHOCK:	MIL-STD-202, METHOD 213B COND. B
• VIBRATION:	MIL-STD-202, METHOD 204D COND. B
• ALTITUDE:	MIL-STD-202, METHOD 105C COND. B
TEMPERATURE CYCLE:	MIL-STD-202, METHOD 107D COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS								
	ZONE	REV.	DESCRIPTION	DATE	APPROVED			
		A1	ORIGINAL RELEASE	7/26/18				

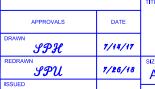
MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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PRODUCT FEATURE
9.0 TO 10.0 GHz Monopulse Comparator
PMC-9G10G-7D9-SFF

1 MO-90 100-7 D9-31 1									
SIZE	FSCM NO.		DWG NO.				REV.		
Α	05XQ0			2703552	20		A 1		
SCALE	N:S				SHEET	1 OF 1			

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONF