

DESCRIPTION

PMI MODEL P3T-10G16G-55-55-SFF IS A SINGLE POLE THREE THROW REFLECTIVE SWITCH MODULE, WITH VERY LOW INSERTION LOSS, HIGH ISOLATION, HIGH POWER (1 WATT) AND WITH HIGH SPEED (20 ns) INTEGRAL CMOS DRIVER, DESIGNED FOR 10 GHz TO 16 GHz OPERATION.

SPECIFICATIONS

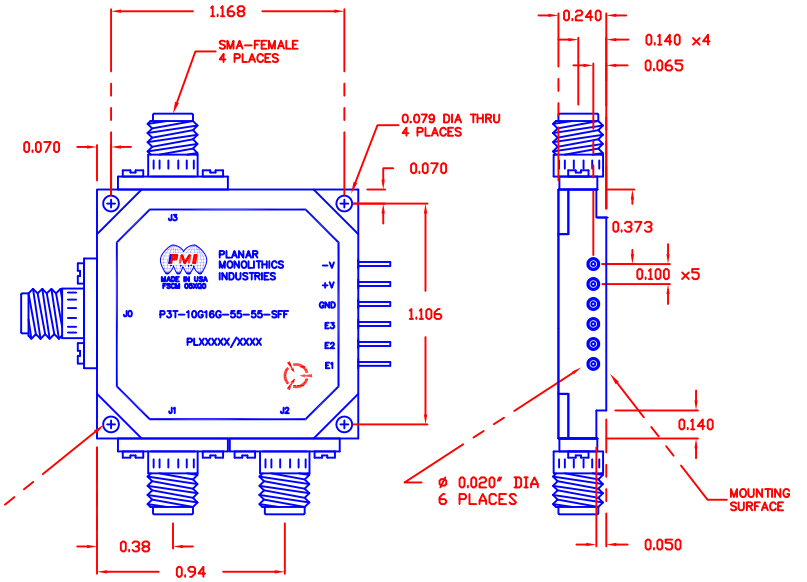
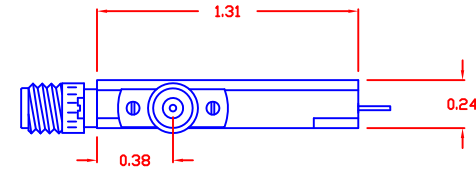
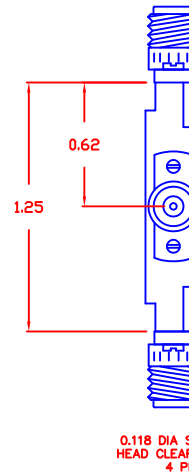
- FREQUENCY: 10.0-16.0 GHz
- INSERTION LOSS: 3.0dB (MAXIMUM)
- ISOLATION: 55dB (MINIMUM)
- VSWR: 2.0:1 (MAXIMUM)
- POWER HANDLING: REFLECTIVE 1 WATT CW OR PEAK (WITHOUT PERFORMANCE DEGRADATION)
- SWITCHING SPEED: 20ns (MAXIMUM)
50% CTL to 10/90% RF Two ports switched simultaneously one 'off' and one 'on'.
- SURVIVAL POWER: 20 dBm CW
- POWER SUPPLY: +5V @ 60 mA
-5V @ 30 mA
- CONTROL INPUT IMPEDANCE: 3.3/5.0V CMOS LOGIC
- CONTROL LOGIC: "0"=ON @ 0V TO 1.2V
"1"=OFF @ 3.3V TO 5.5V
- CONNECTOR: SMA FEMALE
- SIZE 1.31 X 1.25 X 0.24
- WEIGHT 1.50 OUNCE TYPICAL
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

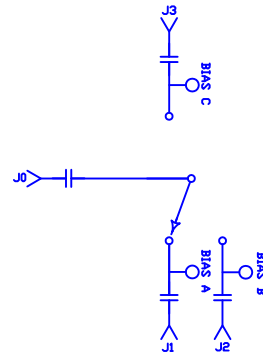
- TEMPERATURE: -65°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND.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

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

THRUTH TABLE			
	J1	J2	J3
E1	0	1	1
E2	1	0	1
E3	1	1	0



BLOCK DIAGRAM



ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	1/12/18	

MECHANICAL OUTLINE

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>JPH</i>		1/12/18	PRODUCT FEATURE P3T-10G16G-55-55-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N: S		REV. -
					SHEET 1 OF 1