

DESCRIPTION

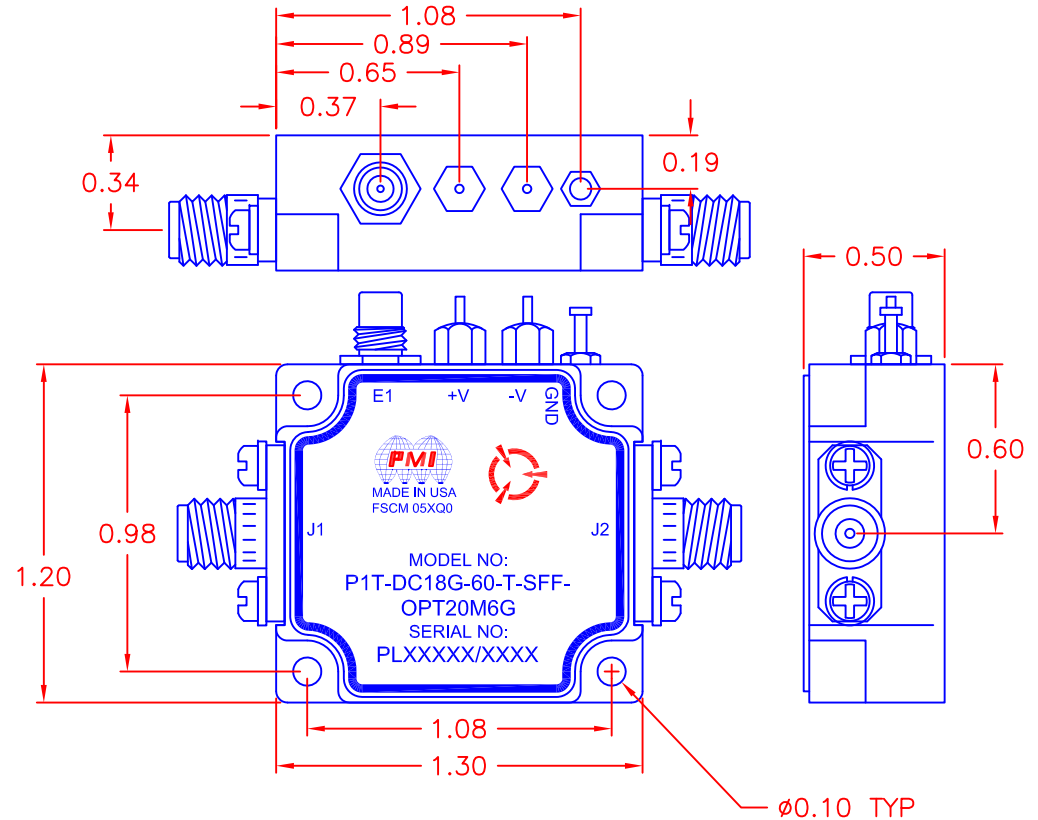
PMI MODEL P1T-DC18G-60-T-SFF-OPT20M6G IS AN ABSORPTIVE, SINGLE POLE, SINGLE THROW PIN DIODE SWITCH THAT IS OPTIMIZED FROM 20 MHz TO 6 GHz. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	8/25/18	

SPECIFICATIONS

- FREQUENCY RANGE: 20 MHz to 6 GHz
- ISOLATION: 60dB Typical, 55dB Min.
- INSERTION LOSS: 4.5dB Typical, 5.0dB Max.
- VSWR IN / OUT: 2.0:1 Typical, 2.2:1 Max.
- INPUT POWER: +17 dBm CW MAX
- SWITCHING SPEED: 6ns Typical, 7ns Max.
- RISE/FALL TIME: 1ns Typical, 2ns Max.
- CONTROL SIGNAL: TTL "1" = ON
- DC VOLTAGE: +8 to +15V @ 15mA Max.
-8 to -15V @ 40mA Max.
- CONNECTORS IN/OUT: SMA FEMALE CONNECTORS
- CONTROL CONNECTORS: SMC
- FINISH: PAINTED BLUE
- SIZE: 1.2" X 1.3" X 0.5"

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)
-55°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 107

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

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

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APPROVALS		DATE	TITLE		
DRAWN	<i>JS</i>	12/11/18	PRODUCT FEATURE P1T-DC18G-60-T-SFF-OPT20M6G		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1