

DESCRIPTION

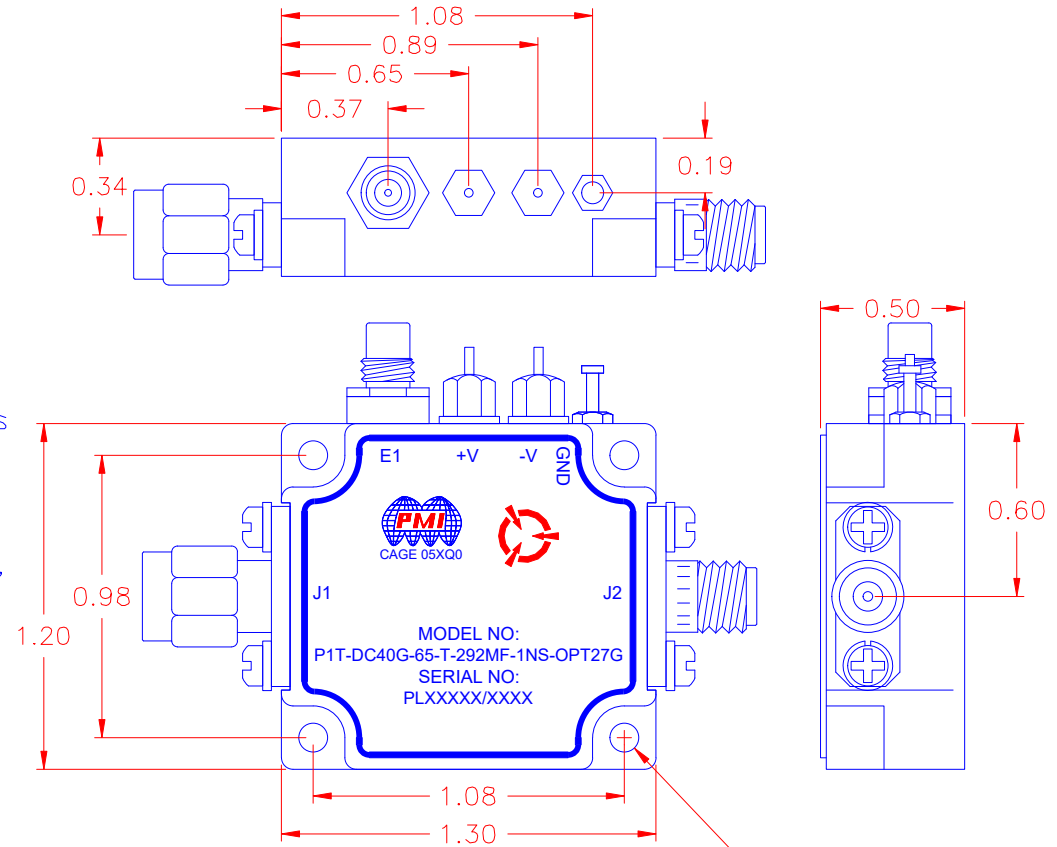
PMI MODEL P1T-DC40G-65-T-292MF-1NS-OPT27G IS AN ABSORPTIVE, SINGLE POLE, SINGLE THROW PIN DIODE SWITCH THAT OPERATES FROM 50 MHz TO 27 GHz. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	04/30/15	
	A1	ECN # 15-0093	9/14/15	
	B1	ECN # 24-0266	10/17/24	

SPECIFICATIONS

- FREQUENCY RANGE: _____ 50 MHz to 27GHz
- ISOLATION: _____ 65 dB Typical, 55 dB Min.
- INSERTION LOSS: _____ 5.5 dB Typical, 6.8 dB Max.
- VSWR IN / OUT: _____ 2.0:1 Typical, 2.2:1 Max.
- INPUT POWER: _____ +17 dBm CW MAX
- SWITCHING SPEED: _____ 5 ns Typical, 6 ns Max.
- RISE/FALL TIME: _____ 0.9 ns Typical, 1 ns Max.
- CONTROL SIGNAL: _____ TTL "1" = ON
- DC VOLTAGE: _____ +8 to +15V @ 15mA Max.
-8 to -15V @ 40mA Max.
- CONNECTORS IN/OUT: _____ 2.92mm MALE/FEMALE CONNECTORS
- CONTROL CONNECTORS: _____ SMC
- FINISH: _____ BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.
- SIZE: _____ 1.2" X 1.3" X 0.5"

MECHANICAL OUTLINE



∅0.10 TYP

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>VR</i>		04/30/15	PRODUCT FEATURE			
CHECKED			P1T-DC40G-65-T-292MF-1NS-OPT27G			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27025512	B1
			SCALE	N:S	SHEET	1 OF 1