

DESCRIPTION

PMI MODEL P1T-DC40G-65-T-292FF-1NS-OPT18G IS AN ABSORPTIVE, SINGLE POLE, SINGLE THROW FET SWITCH THAT OPERATES FROM DC TO 18 GHZ. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: _____ DC to 18GHz
- 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
- VIDEO TRANSIENTS: _____ 300 MHz BW (2-18 GHz) : 85mV P-P
20 MHz BW (2-18 GHz) : 15mV P-P
- DC VOLTAGE: _____ +8 to +15V @ 15mA Max.
-8 to -15V @ 40mA Max.
- CONNECTORS IN/OUT: _____ SMA 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"

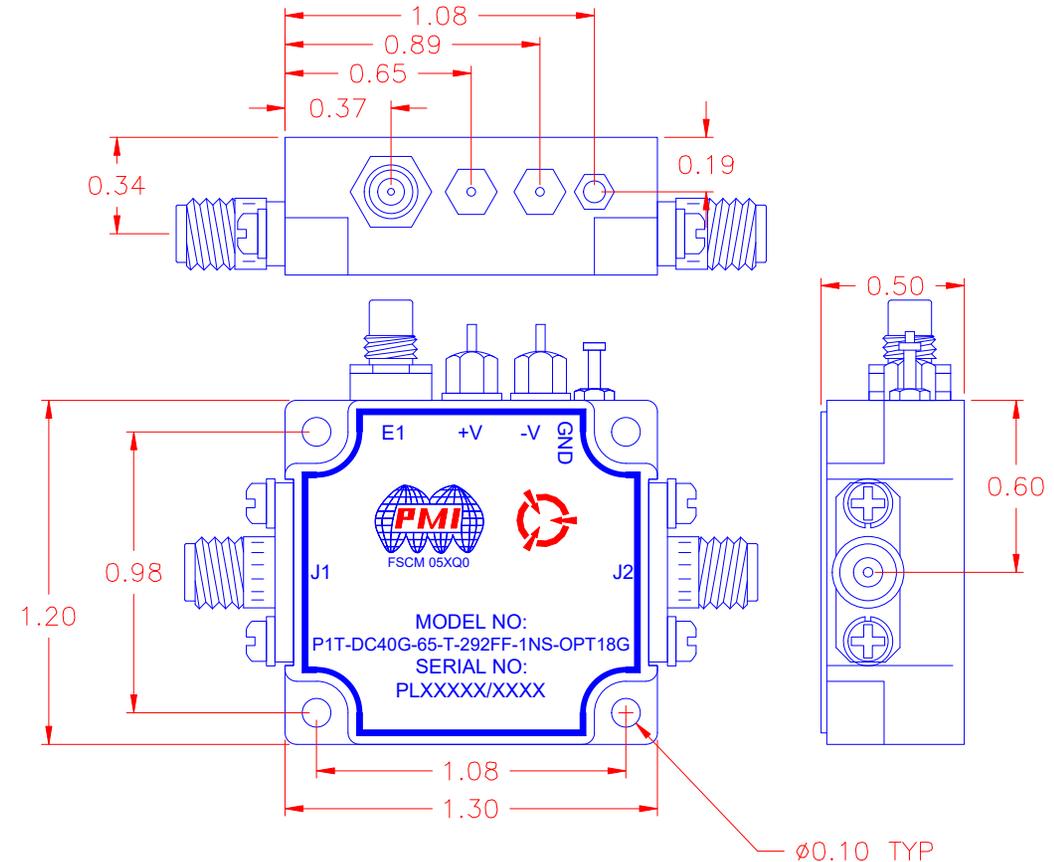
ENVIRONMENTAL RATINGS

- 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	03/12/13	
	B1	ECN # 16-0202	12/13/16	
	C1	ECN # 24-0266	10/18/24	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS		DATE	TITLE		
DRAWN <i>sfk</i>		03/12/13	PRODUCT FEATURE		
CHECKED			P1T-DC40G-65-T-292FF-1NS-OPT18G		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27025062
			SCALE	N:S	SHEET 1 OF 1
					REV. C1