

DESCRIPTION

PMI MODEL P1T-DC40G-65-T-292FF-1NS IS AN ABSORPTIVE, SINGLE POLE, SINGLE THROW PIN DIODE SWITCH THAT OPERATES FROM DC TO 40 GHZ. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	12/11/13	
	C1	ECN # 23-0172	9/15/23	
	D1	ECN # 24-0266	10/18/24	

SPECIFICATIONS

- FREQUENCY RANGE: _____ DC to 40GHz
- ISOLATION: _____ 65dB Typical, 55dB Min.
- INSERTION LOSS: _____ 5.5dB Typical, 6.8dB Max.
- VSWR IN / OUT: _____ 2.0:1 Typical, 2.2:1 Max.
- INPUT POWER: _____ +17 dBm CW MAX
- SWITCHING SPEED: _____ 5ns Typical, 6ns Max.
- RISE/FALL TIME: _____ 0.9ns Typical, 1ns Max.
- CONTROL SIGNAL: _____ TTL "1" = ON
- DC VOLTAGE: _____ +8 to +15V @ 15mA Max.
-8 to -15V @ 40mA Max.
- CONNECTORS IN/OUT: _____ 2.92mm FEMALE CONNECTORS
- CONTROL CONNECTORS: _____ SMC
- FINISH: _____ GOLD PLATED
- SIZE: _____ 1.2" X 1.3" X 0.5"

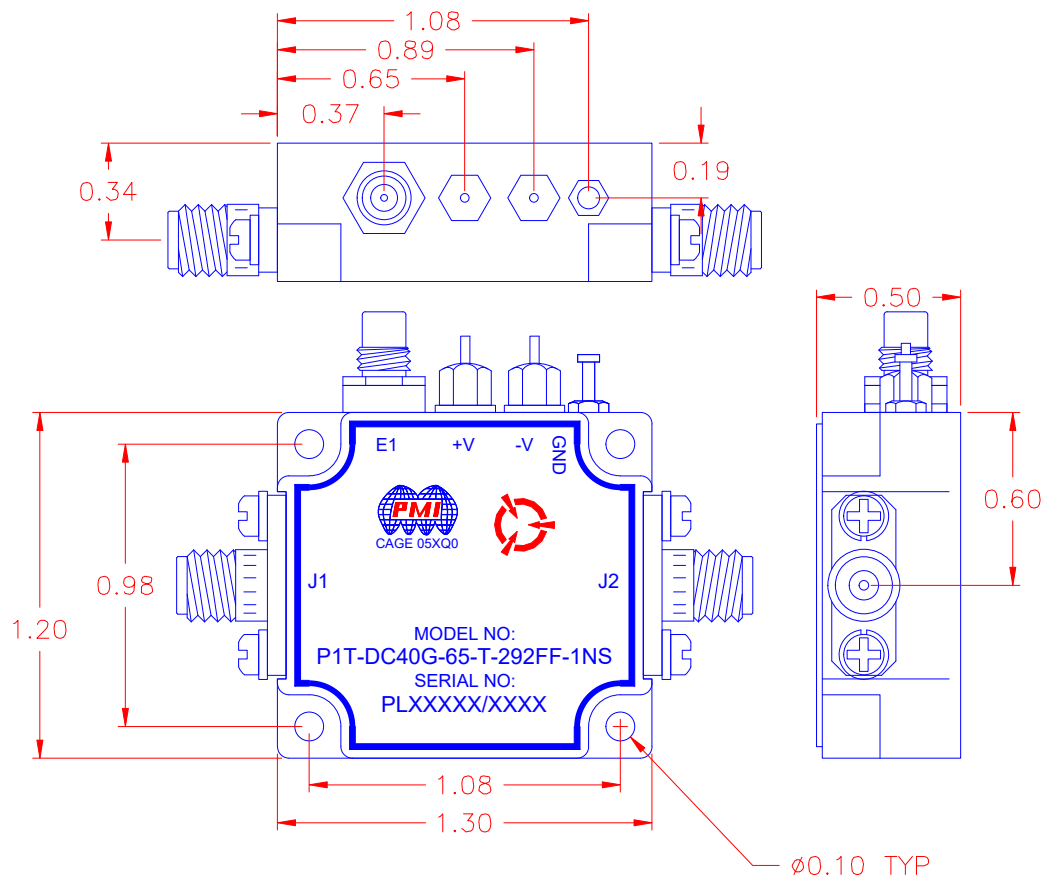
ENVIRONMENTAL RATINGS

- 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

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

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>KM</i>		12/11/13	PRODUCT FEATURE P1T-DC40G-65-T-292FF-1NS			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27021851	D1
			SCALE	N:S	SHEET	1 OF 1