

DESCRIPTION

PMI MODEL P2T-30G40G-60-R-292FF IS A SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 30GHz TO 40GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 30GHz TO 40GHz
- ISOLATION: _____ 60dB Min
- INSERTION LOSS: _____ 3.5dB Max
- VSWR (ON POSITION) _____ 2.0:1 Typ, 2.5:1 Max.
- SWITCHING SPEED: _____ 100ns Max.
- RF POWER CAPABILITY _____ +20dB Max.
- DC SUPPLY: _____ + 5VDC @ 75mA Typ
_____ - 5VDC @ 50mA Typ
- CONTROL SIGNAL: _____ J1-J2 - ON (LGC1 "0", LGC2 "1")
_____ J1-J3 - ON (LGC1 "1", LGC2 "0")
- CONNECTORS IN/OUT: _____ 2.92mm FEMALE CONNECTORS
- CONTROL CONNECTIONS: _____ SOLDER PINS
- SIZE: _____ (L) 1.2" X (W) 0.95" X (H) 0.46"
- FINISH: _____ PAINTED BLUE

ENVIRONMENTAL RATINGS

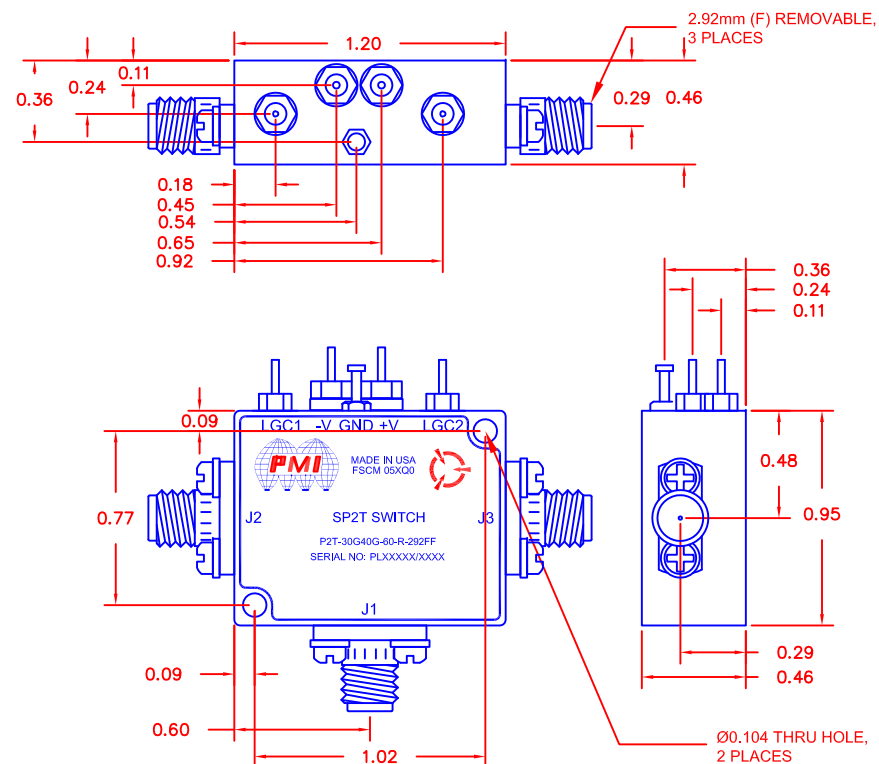
- TEMPERATURE: _____ -54°C TO +95°C (OPERATING)
_____ -65°C TO +125°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: _____ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: _____ MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: _____ MIL-STD-202F, METHOD 107D

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	8/27/15	
	A1	ECN #15-0113	10/7/15	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>SAB</i>		8/27/15	PRODUCT FEATURE P2T-30G40G-60-R-292FF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27025242	A1
SCALE N: S			SHEET 1 OF 1			