

DESCRIPTION

PMI MODEL NUMBER: P4T-8G12G-60-T-SFF-KW IS A 8.0 GHz TO 12.0 GHz, SINGLE POLE, FOUR THROW, ABSORPTIVE SWITCH. THIS SWITCH OFFERS 50dB OF PORT TO PORT ISOLATION, AND A TYPICAL INSERTION LOSS OF 2.0dB. IT HAS A SWITCHING SPEED OF 50ns AND IS INDEPENDENTLY TTL CONTROLLED. THE OPERATING POWER IS +20dBm CW AND THE VSWR IS 2.0:1 MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: 8.0 GHz TO 12.0 GHz
- INSERTION LOSS: 1.5dB GOAL, 2.0dB TYPICAL
- ISOLATION: 50dB MIN
- INPUT POWER: +20dBm CW (OPERATING)
- VSWR (IN/OUT): 2.0:1 MAX
- SPEED:
 - DELAY ON/OFF: 50ns
 - RISE/FALL: 20ns
- CONTROL TTL: 4 LINE INDEPENDENT
 - LOGIC "0" = INSERTION LOSS
 - LOGIC "1" = ISOLATION
- RF CONNECTORS: SMA(F) – Passive Stainless Steel
- CONTROL, POWER, AND GROUND: SOLDER PINS
- POWER SUPPLY: +5VDC @ 175mA MAX
 -12VDC @ 100mA MAX
- SIZE: (L) 2.0" X (W) 1.0" X (H) 0.4"
- FINISH: GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

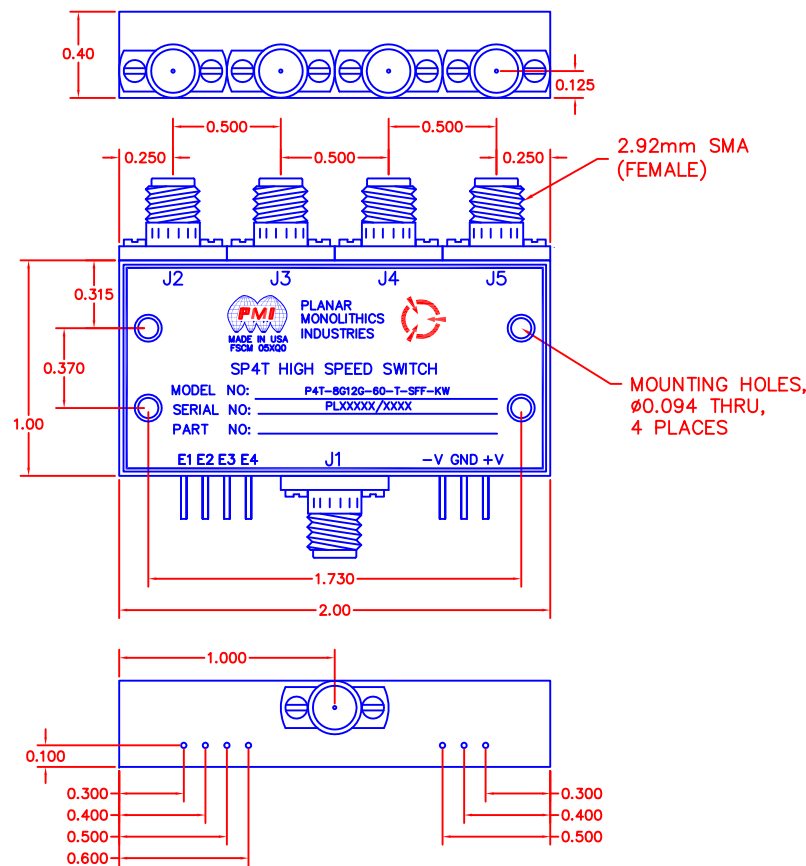
- TEMPERATURE: _____ -54°C TO +85°C (OPERATING)
 _____ -65°C TO +125°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: _____ MIL-STD-202F, METHOD 213B COND. C
- VIBRATION: _____ MIL-STD-202F, METHOD 204D COND. G
- SALT FOG: _____ MIL-STD-202F, METHOD 101D+EST COND. B
- FUNGUS: _____ MIL-STD-810F, METHOD 508.5

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	01/29/14	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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APPROVALS		DATE	TITLE			
DRAWN <i>sfc</i>		01/29/14	PRODUCT FEATURE P4T-8G12G-60-T-SFF-KW			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27022072	1
ISSUED			SCALE	N: S	SHEET	1 OF 1