

DESCRIPTION

PMI MODEL P1T-8G12G-70-R-SFF IS A REFLECTIVE, HIGH SPEED, SINGLE POLE SINGLE THROW SWITCH CAPABLE OF SWITCHING WITHIN 50 ns MAXIMUM. THE FREQUENCY RANGE IS 8.0 GHz TO 12.0 GHz. THIS SWITCH HAS > 70 dB ISOLATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/12/15	

SPECIFICATIONS

- FREQUENCY RANGE: _____ 8.0 GHz TO 12.0 GHz
- IMPEDANCE: _____ 50 Ω
- INPUT POWER: _____ +30dBm MAX (SURVIVAL)
_____ +20dBm MAX (OPERATING)
- INPUT VSWR: _____ 1.8:1 TYP.
- INSERTION LOSS: _____ 1.8dB TYP.
- ISOLATION: _____ 70dB MIN
- SWITCHING SPEED: _____ 50ns MAX
- DC VOLTAGE: _____ +5VDC, 20mA TYP.
_____ -15VDC, 20mA TYP.
- CONTROL: _____ SOLDER PIN
TTL COMPATIBLE
"0" = INSERTION LOSS
"1" = ISOLATION
- CONNECTORS IN/OUT: _____ SMA (F)
- SIZE: _____ (L) 1.0" X (W) 1.0" X (H) 0.5"
- 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.

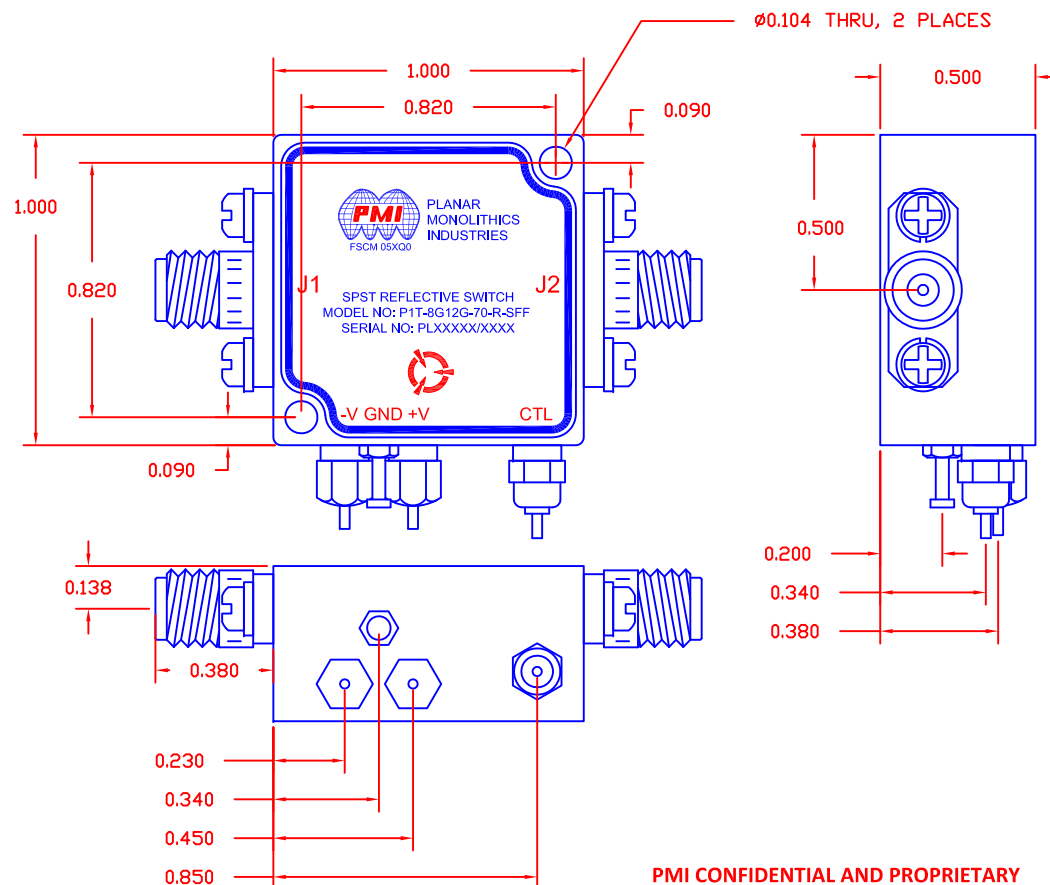
ENVIRONMENTAL RATINGS

- **TEMPERATURE:** _____ -55°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. B
- **VIBRATION:** _____ MIL-STD-202F, METHOD 204D COND. B
- **ALTITUDE:** _____ MIL-STD-202F, METHOD 105C COND. B
- **TEMPERATURE CYCLE:** _____ MIL-STD-202F, METHOD 107D COND. A

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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS DATE		TITLE PRODUCT FEATURE P1T-8G12G-70-R-SFF						
DRAWN SAB		10/12/15						
CHECKED				SIZE A		FSCM NO. 05XQ0	DWG NO. 27027061	REV 1
ISSUED				SCALE N: S		SHEET 1 OF 1		