

DESCRIPTION

PMI MODEL NO. P7T-8G18G-60-R-SFF IS A SINGLE POLE, SEVEN THROW, REFLECTIVE SWITCH THAT OPERATES OVER THE FREQUENCY RANGE OF 8.0 TO 18.0 GHz. IT HAS A MINIMUM ISOLATION OF 60 dB AND IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 8.0 TO 18.0 GHz
- INSERTION LOSS: 2.8 dB @ 8.0 TO 12.0 GHz
3.5 dB @ 12.0 TO 18.0 GHz
- ISOLATION: 60 dB MIN
- VSWR: REFLECTIVE IN/OUT: 2.0:1
- SPEED: RISE: 15 ns MAX
FALL: 15 ns MAX
DELAY ON: 100 ns MAX
DELAY OFF: 100 ns MAX
- PHASE VARIATION: $\pm 10^\circ$ MAX PORT TO PORT
- POWER INPUT: +20 dBm CW MAX
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK (1 us)
- CONTROL: TTL LOGIC "0"=ON, "1"=OFF
- POWER SUPPLY: +5 V @ 350 mA MAX
-12 V @ 100 mA MAX
- CONNECTORS: RF: SMA FEMALE
CTL: SMC MALE
POWER SUPPLY: SOLDER PIN
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

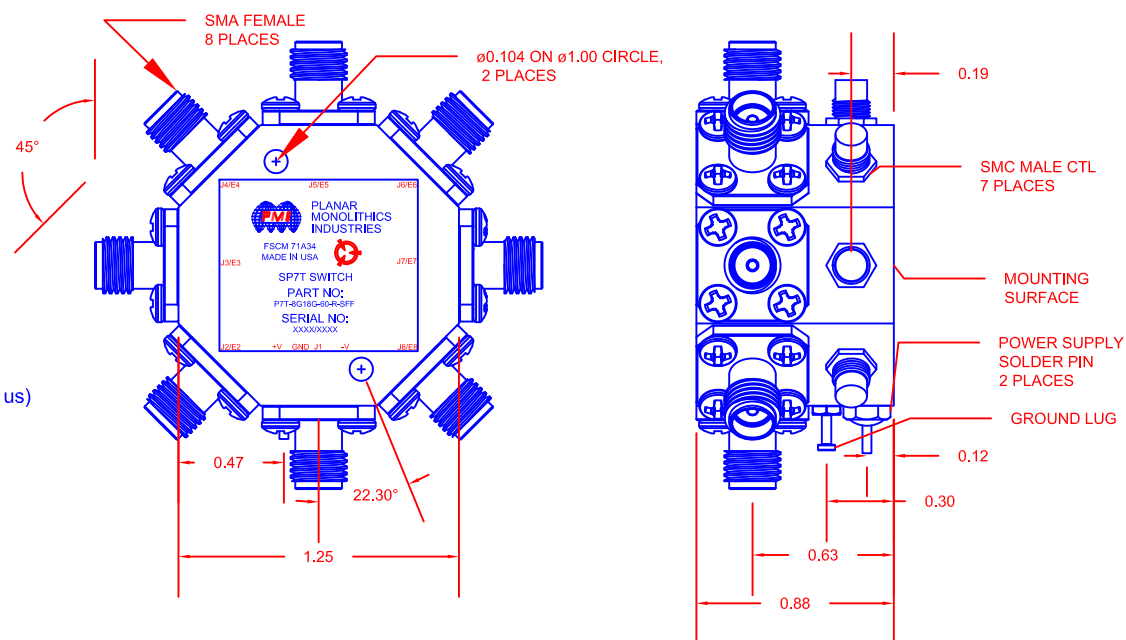
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/7/2018	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE P7T-8G18G-60-R-SFF				
APPROVALS	DATE					
DRAWN <i>EW</i>	11/7/18					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY		REV -
ISSUED		SCALE N:S			SHEET 1 OF 1	