DESCRIPTION

PMI MODEL: P6T-4G8G-70-T-SFF IS AN ABSORPTIVE SINGLE POLE, SIX THROW SWITCH THAT OPERATES OVER THE 4.0 TO 8.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MINIMUM OF 70 dB ISOLATION AND A MAXIMUM INSERTION LOSS OF 2.9 dB. THE COMPACT 2.00" x 2.00" x 0.75" HOUSING IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ———— 4.0 TO 8.0 GHz
- INSERTION LOSS: ———— 2.9 dB MAXIMUM
- ISOLATION: ———— 70 dB MINIMUM
- VSWR (ON/OFF): ———— 1.8:1 MAXIMUM
- IMPEDANCE: ———— 50 Ω NOMINAL
- RF SAFE INPUT POWER: ———— 100 mW CW MAXIMUM (HOT SWITCHING)
- SWITCHING SPEED: ———— 500 ns MAXIMUM (50% TTL TO 90% RF)
  500 ns MAXIMUM (10% RF TO 90% RF)
- CONTROL INPUT: ———— TTL LEVEL, LOGIC "0" OR "1"
  LOGIC = "0": LOW LOSS STATE
  LOGIC = "1": HIGH LOSS STATE
- POWER SUPPLY: ———— +15V ± 5% @ 150 mA MAXIMUM
  -15V ± 5% @ 100 mA MAXIMUM
- CONNECTORS: ———— RF: SMA FEMALE
  LOGIC/POWER: SOLDER PIN
- WEIGHT: ———— 128g [4.5 oz] MAXIMUM
- SIZE: ———— 50.80 mm x 50.80 mm x 19.05 mm
  [2.00" x 2.00" x 0.75"]
  EXCLUDING CONNECTORS
- FINISH: ———— PAINTED BLUE

ENVIRONMENTAL RATINGS

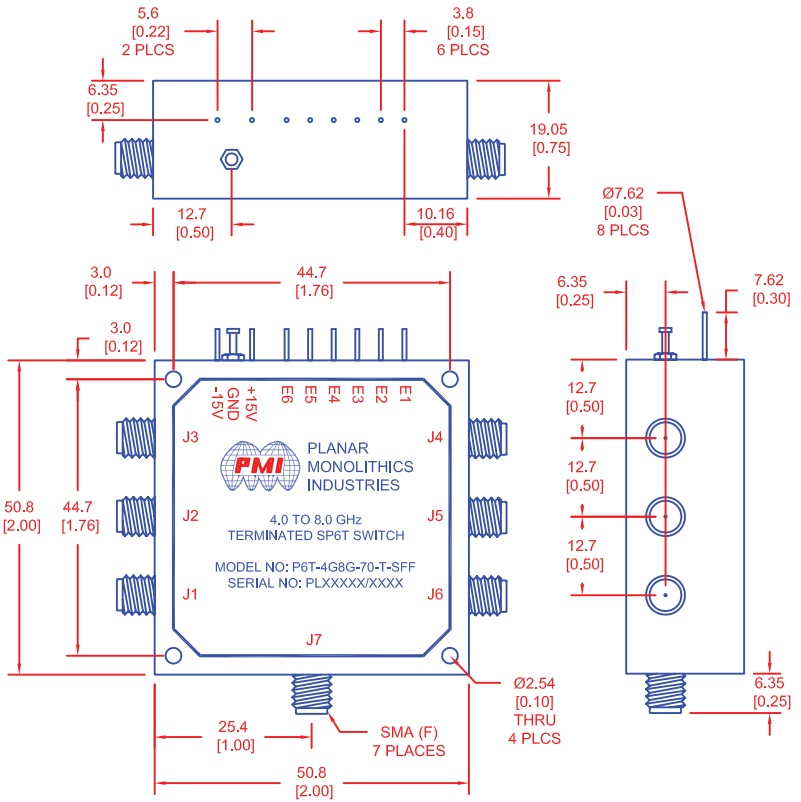
- TEMPERATURE: ———— -0 °C TO +85 °C (OPERATING)
  -62 °C TO +85 °C (STORAGE)
- VIBRATION: ———— 0.1 INCH pp OR 10G, 5 TO 500 Hz
- HUMIDITY: ———— 100% RELATIVE HUMIDITY
- SHOCK: ———— 15 G, 11±1 ms

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/20/17	
	1	UPDATES	1/2/2018	

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
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

ALL DIMENSIONS ARE IN mm [INCH]
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

APPROVALS	DATE
DRAWN EMF	11/20/17
CHECKED	
ISSUED	

TITLE
PRODUCT FEATURE
P6T-4G8G-70-T-SFF
7.0 to 18.0 GHz Single Pole Six Throw Absorptive Switch

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	PRELIMINARY	1

SCALE N:S SHEET 1 OF 1