

DESCRIPTION

PMI MODEL NO. P3T-2G8G-70-T-SFF-2 IS A SINGLE POLE, THREE THROW, ABSORPTIVE SWITCH THAT OPERATES OVER THE FREQUENCY RANGE 2.0 TO 8.0 GHz. IT HAS AN INSERTION LOSS OF 2.1 dB MAXIMUM AND AN ISOLATION OF 70 dB MINIMUM. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 2.0 TO 8.0 GHz
- INSERTION LOSS: ----- 2.1 dB MAX
- ISOLATION: ----- 70 dB MIN
- VSWR: ----- 1.7:1 MAX
- ON/OFF TIME: ----- 180 ns MAX
- POWER SUPPLY: ----- +5 V @ 85 mA MAX
-12 V @ 85 mA MAX
- CONNECTORS: ----- SMA FEMALE
- LOGIC: ----- "1" RF ON
"0" RF OFF
- FINISH: ----- PAINTED BLUE
- INPUT POWER: ----- +20 dBm MAX

SP3T - CONTROL LOGIC

CONTROL INPUT			
E1	E2	E3	SIGNAL
HIGH	LOW	LOW	J0-J1
LOW	HIGH	LOW	J0-J2
LOW	LOW	HIGH	J0-J3

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- 0 °C TO +70 °C (OPERATING)
-30 °C TO +85 °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

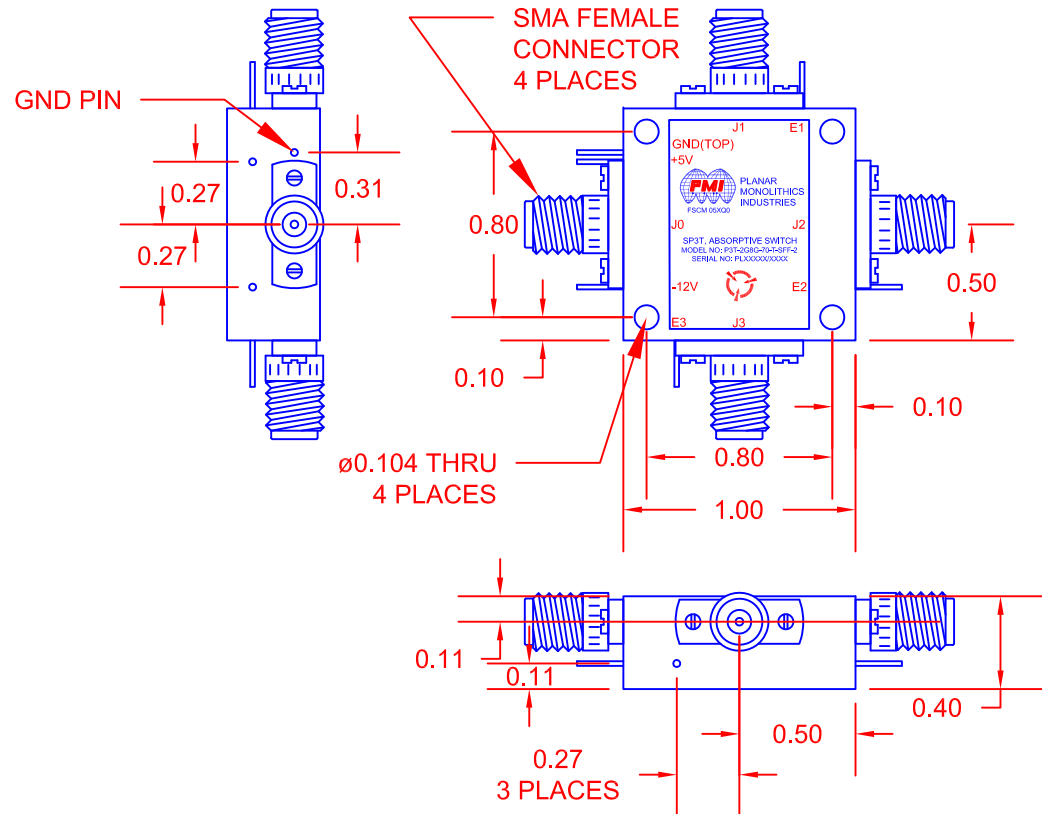
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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
	A1	INITIAL RELEASE	5/16/2019	

MECHANICAL OUTLINE



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



APPROVALS		DATE	TITLE		
DRAWN <i>EW</i>		9/18/18	PRODUCT FEATURE P3T-2G8G-70-T-SFF-2		
REDRAWN <i>GJR</i>		05/16/19	SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27036360
			SCALE	N:S	SHEET 1 OF 1
					REV. A1