

DESCRIPTION:

PMI MODEL: P2T-8G18G-45-R-SFF-HIP20W IS A HIGH POWER (20 WATT) SINGLE POLE TWO THROW, REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS AND WITH INTEGRAL TTL DRIVER, DESIGNED FOR 8 GHz TO 18 GHz OPERATION.

SPECIFICATIONS:

- FREQUENCY: 8.0 GHz TO 18.0 GHz
- INSERTION LOSS: 2.5dB Max, 2.0dB Typ
- ISOLATION: 45dB Min
- VSWR: 2.0:1 Max
- RISE TIME: 75ns Typ
- FALL TIME: 25ns Typ
- DELAY ON: 150ns Typ
- DELAY OFF: 100ns Typ
- CONTROL: TTL
- OPERATING INPUT POWER: 20W AVERAGE OR
1kW PEAK, 2% DUTY CYCLE
- DC SUPPLY: +5V @ 200 mA
-28V @ 100 mA
- CONNECTORS: SMA (F)
- SIZE: (L) 1.2" X (W) 1.0" X (H) 0.5"
- SEALING: HERMETIC
- 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.

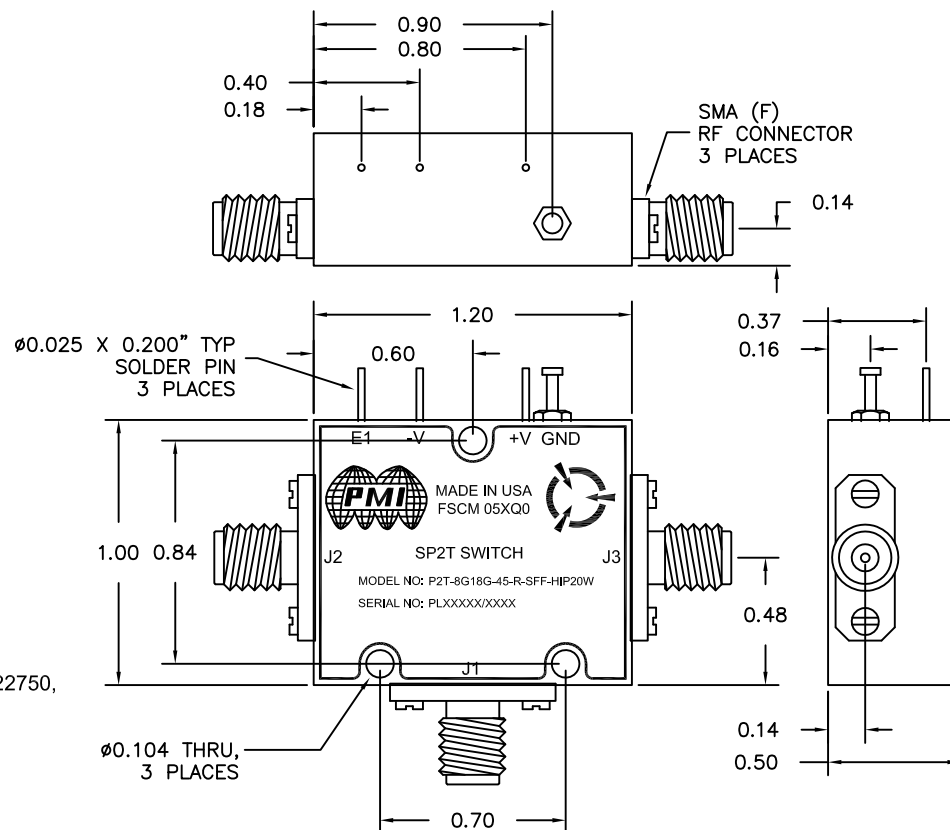
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -20°C TO +50°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 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	09/22/13	
	A2	ECN # 13-0141	09/08/13	

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
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		09/22/13		PRODUCT FEATURE	
CHECKED				P2T-8G18G-45-R-SFF-HIP20W	
ISSUED					
SIZE	A	FSCM NO.	05XQ0	DWG NO.	27017981
SCALE	N:S			SHEET	1 OF 1

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