

DESCRIPTION

THE MODEL P1T-200M18G-60-T-SFF IS A HIGH SPEED, SINGLE POLE, SINGLE THROW, ABSORPTIVE SWITCH CAPABLE OF SWITCHING WITHIN 25ns. THE FREQUENCY RANGE IS 0.5 TO 18.0 GHz AND THIS SWITCH HAS OVER 60dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 0.2 TO 18 GHz
- OPTION: 0518 - 0.5 TO 18 GHz
- INSERTION LOSS: 1.0dB TYPICAL, 2.5dB MAXIMUM
- ISOLATION: 65dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
 - J1: "ON" ONLY
 - J2: "ON" OR "OFF"
- SWITCHING SPEED: 25 ns MAXIMUM
(50% TTL TO 10/90% RF)
- OPERATING POWER: +27dBm "HOT SWITCHING" MAXIMUM
- CONTROL: TTL LOGIC "0" = OFF
TTL LOGIC "1" = ON
- POWER SUPPLY: +15V @ 50 mA MAXIMUM
-15V @ 75 mA MAXIMUM
- CONNECTORS:
 - RF: SMA FEMALE
 - CONTROL: SOLDER PIN
- SIZE: (L) 1.0" X (W) 1.0" X (H) 0.5"
- 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.

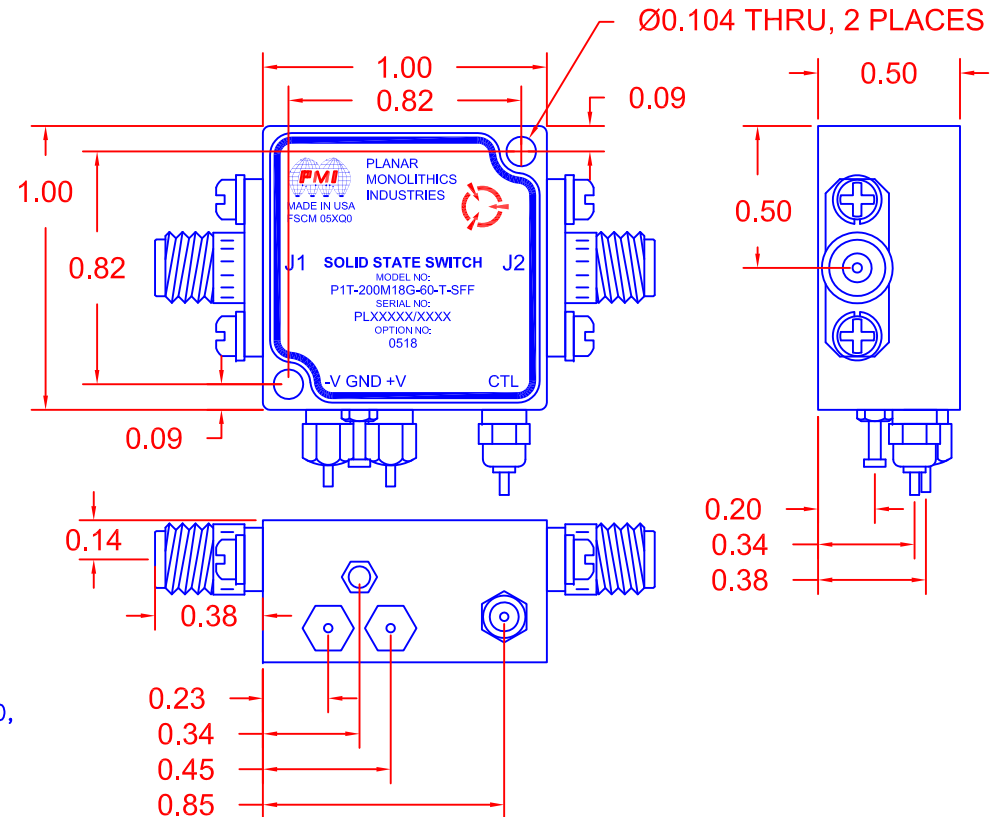
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -10°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 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	01/29/13	
	A1	ECN # 14-0080	06/18/14	



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 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>K.M.</i>		01/29/13	PRODUCT FEATURE			
CHECKED			P1T-200M18G-60-T-SFF			
ISSUED			OPTION 0.5 TO 18.0 GHz HIGH SPEED SPST Switch			
SIZE	FSCM NO.	DWG NO.				
A	05XQ0	27022182			A1	
SCALE N:S			SHEET		1 OF 1	