

DESCRIPTION

PMI MODEL NUMBER: P16T-100M20G-60-T-512-SFF-MD15 IS A SINGLE POLE, SIXTEEN THROW ABSORBPTIVE PIN DIODE SWITCH THAT OPERATES FROM 0.1 TO 20 GHz FREQUENCY RANGE. THIS MODEL HAS A TYPICAL INSERTION LOSS OF 8.5dB AND 60dB OF ISOLATION. IT OPERATES AT 20dBm CW, AND HAS A SURVIVAL POWER OF 1 WATT CW, 10 WATTS PEAK, FOR 1 MICROSECOND.

SPECIFICATIONS

- FREQUENCY RANGE: 0.1 TO 20GHz
- INSERTION LOSS: 8.5dB TYP
- ISOLATION: 60dB TYP
- VSWR – INPUT/OUTPUT: 2.0:1
- VSWR – OUTPUT/OFF: 2.0:1
- SWITCHING SPEED:
 - RISE/FALL: 50ns TYP
 - DELAY ON/OFF: 150ns MAX
- INPUT POWER: +20dBm CW
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK, 1usec
- CONTROL: TTL LOGIC – "0" = ON "1" = OFF
- CONNECTORS: SMA (F) REMOVABLE
- CONTROL CONNECTOR: SUB-D CONNECTOR
- POWER SUPPLY: +5VDC @ 750mA MAX
-12VDC @ 200mA MAX
- SIZE: (L) 8.00" X (W) 3.00" (H) 0.65"
- FINISH: GOLD PLATED

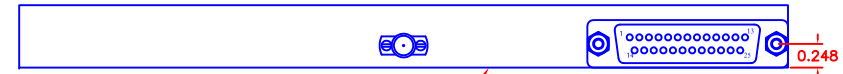
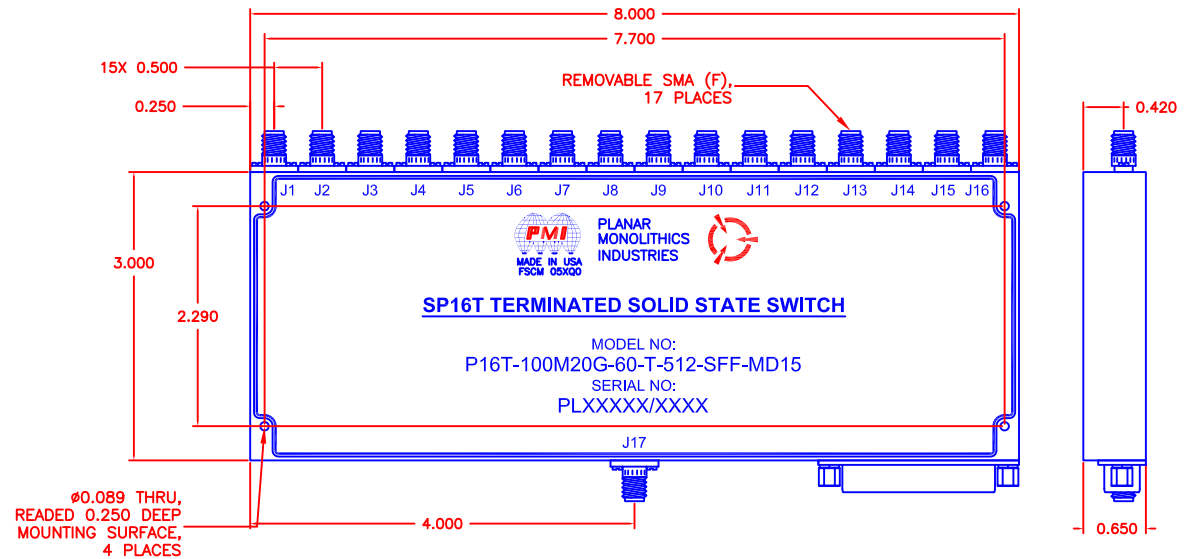
ENVIRONMENTAL RATINGS:

TEMPERATURE: -40°C TO +85°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 COND.A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/25/19	

MECHANICAL OUTLINE



PINS			
1	+V	14	E5
2	GND	15	E6
3	-V	16	E7
4	GND	17	E8
5	GND	18	E9
6	GND	19	E10
7	GND	20	E11
8	GND	21	E12
9	GND	22	E13
10	E1	23	E14
11	E2	24	E15
12	E3	25	E16
13	E4		

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

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN	<i>sfk</i>	08/19/19	PRODUCT FEATURE		
REDRAWN	<i>EW</i>	11/25/19	P16T-100M20G-60-T-512-SFF-MD15		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1