

DESCRIPTION:

PMI Model No. P16T-0R5G18G-60-T-SFF is a high speed, single pole, sixteen throw, absorptive switch capable of switching within 100nsec. The frequency range is 0.5 to 18.0GHz and has over 60dB of isolation.

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 18 GHz
- INSERTION LOSS: 7.5dB MAX.
- ISOLATION: 60dB MIN.
- VSWR: ABSORPTIVE IN/OUT: 2.0:1 MAX.
ABSORPTIVE OUT/OFF: 2.0:1 MAX.
- SWITCHING SPEED DELAY ON / OFF: 100ns TYP.
- POWER INPUT: +20dBm CW MAX. (OPERATING)
- SURVIVAL POWER: 1 WATT CW, 10 WATTS PEAK 1 usec
- CONTROL: TTL LOGIC - 4 Bit Decoded (See Logic Table)
- POWER SUPPLY: +5V @ 850mA MAX.
-5V @ 300mA MAX.
- CONNECTORS: SMA - Female
- HOUSING: 8.0" x 2.0" x 0.4"
- FINISH: GOLD PLATING

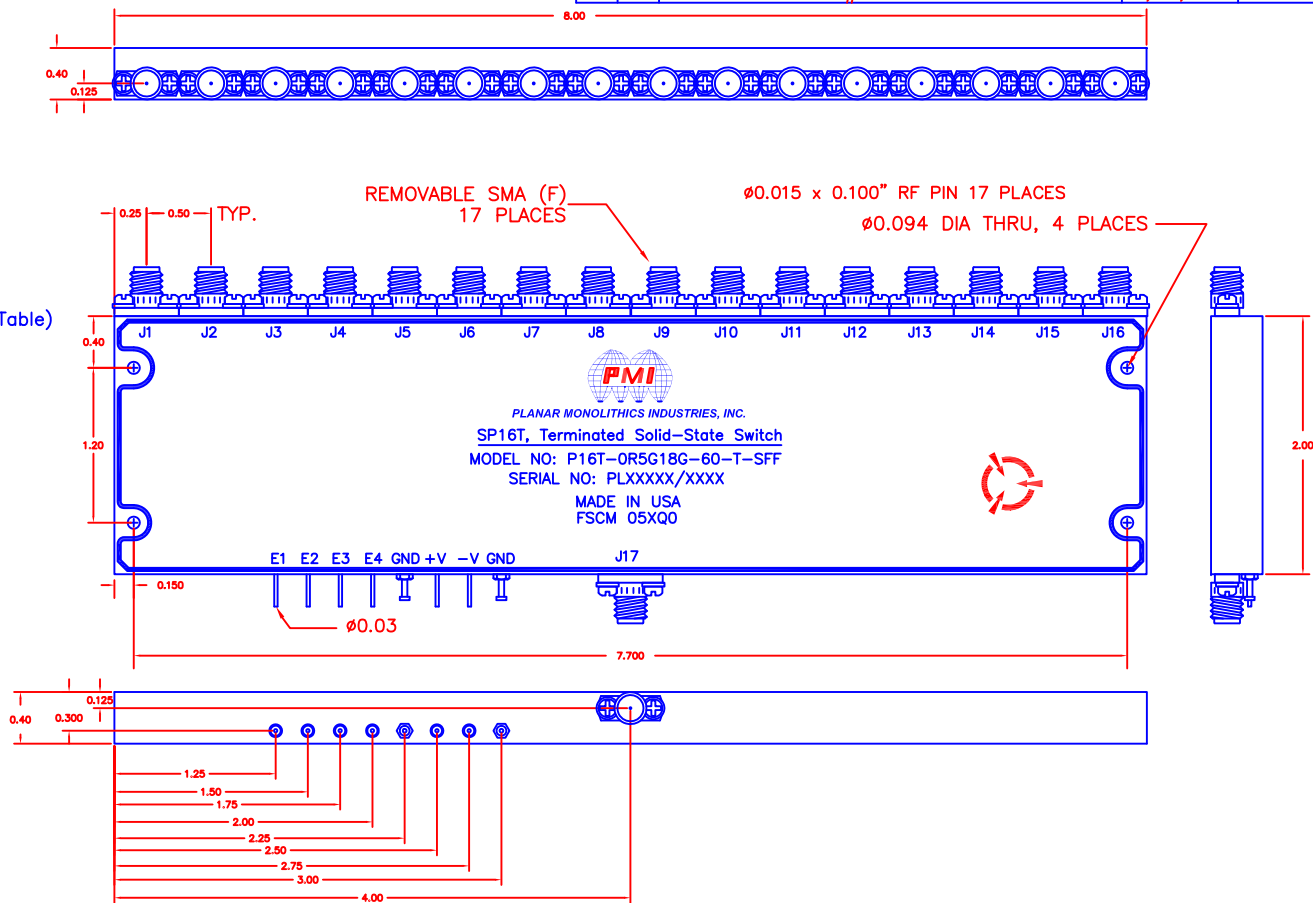
LOGIC TABLE				
E1	E2	E3	E4	CONNECTOR
0	0	0	0	J1 ON
0	0	0	1	J2 ON
0	0	1	0	J3 ON
0	0	1	1	J4 ON
0	1	0	0	J5 ON
0	1	0	1	J6 ON
0	1	1	0	J7 ON
0	1	1	1	J8 ON
1	0	0	0	J9 ON
1	0	0	1	J10 ON
1	0	1	0	J11 ON
1	0	1	1	J12 ON
1	1	0	0	J13 ON
1	1	0	1	J14 ON
1	1	1	0	J15 ON
1	1	1	1	J16 ON

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -54°C TO +95°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
	A1	ORIGINAL RELEASE	1/24/11	
	B1	SMALLER PACKAGE HOUSING	2/28/11	
	C1	UPDATED SPECS	4/11/11	
	C2	ECN # 13-0094	07/29/13	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN <i>sfc</i>		2/28/11	PRODUCT FEATURE			
CHECKED			P16T-0R5G18G-60-T-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27013681-C	C2
			SCALE	N:S		SHEET 1 OF 1

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