

DESCRIPTION

THE MODEL P12T-0R5G18G-60-R-SFF IS A HIGH SPEED, SINGLE POLE, TWELVE THROW, REFLECTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 0.5 TO 18.0 GHz AND THIS SWITCH HAS 60dB OF ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE:..... 0.5 TO 18.0 GHz
- ISOLATION:..... 60dB MIN
- INSERTION LOSS:..... 5.5dB MAX
- VSWR IN/OUT:..... 2.0:1 MAX
- OPERATING INPUT POWER:..... +20dBm CW
- SWITCHING SPEED:..... 100 ns MAX
- DC VOLTAGE AND CURRENT:..... +5VDC @ 600mA
..... -5VDC @ 100mA
- CONTROL SIGNAL:..... 4-BIT DECODED TTL (SEE TABLE)
- CONNECTORS:..... SMA (F)
- FINISH:..... PAINTED BLUE
- SIZE:..... 6.0" X 2.0" X 0.4"

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

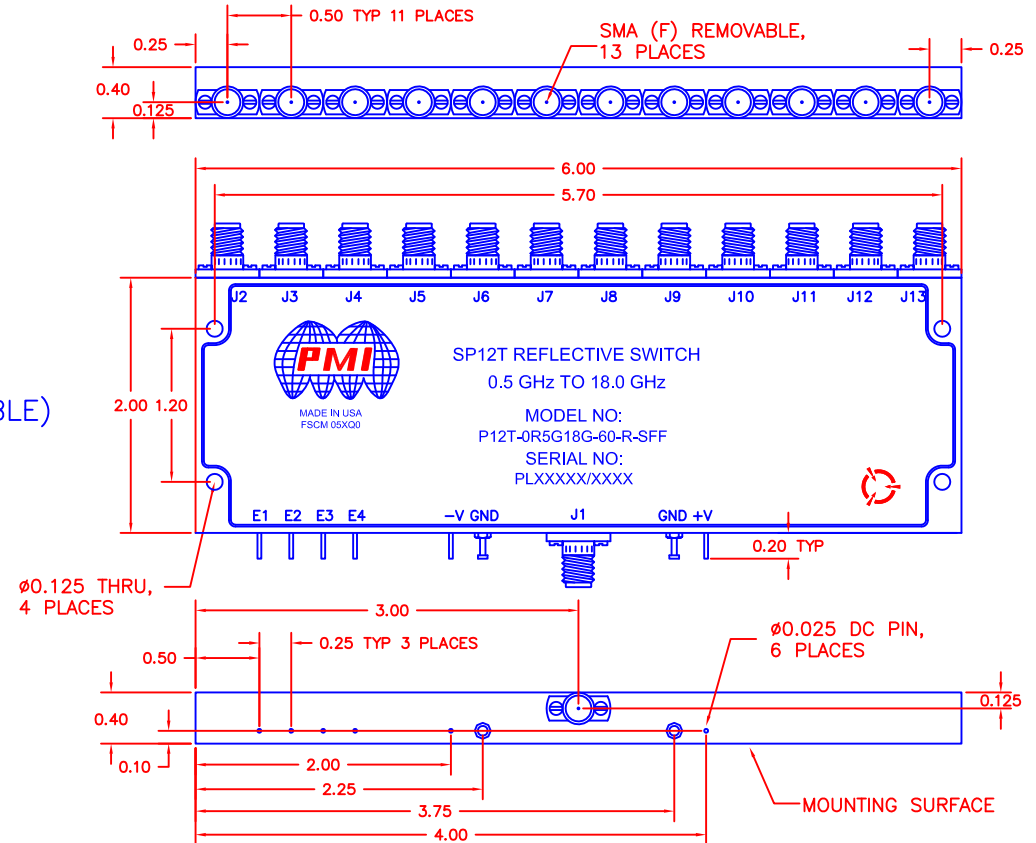
ENVIRONMENTAL RATINGS

- **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 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
	-	PRELIMINARY	11/9/15	



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APPROVALS		DATE	TITLE			
DRAWN <i>EMF</i>		11/9/15	PRODUCT FEATURE P12T-0R5G18G-60-R-SFF			
CHECKED			0.5 TO 18.0 GHz HIGH SPEED SWITCH 12 THROW			
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
SCALE N:S			SHEET 1 OF 1			