

DESCRIPTION

PMI MODEL: P8T-30M6G-60-515-T-SFF IS A SINGLE POLE EIGHT THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER DESIGNED FOR 30 MHz TO 6 GHz OPERATION.

SPECIFICATIONS

- FREQUENCY RANGE: 30 MHz TO 6 GHz
- INSERTION LOSS: 5 dB MAXIMUM
- 1dB COMPRESSION: 24 dBm MINIMUM
- ISOLATION: 60 dB MINIMUM
- VSWR: IN/OUT: 2.0:1 MAXIMUM
ABSORPTIVE OUT/OFF: 2.0:1 MAXIMUM
- SWITCHING SPEED: 250 ns MAXIMUM
- RF POWER: +30 dBm (1 WATT)
- CONTROL: TTL LOGIC (3 BIT)
- POWER SUPPLY: + 5VDC @ 500 mA MAXIMUM
-15VDC @ 300 mA MAXIMUM
- PHASE MATCHING: +/-10° PORT TO PORT MAXIMUM
- SIZE: 4.00" X 1.50" X 0.40"
- WEIGHT: 2.5 OUNCES TYPICAL
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -25°C TO +70°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 107G COND. A

ALL DIMENSIONS ARE IN INCHES

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

TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	2/22/2019	

MECHANICAL OUTLINE

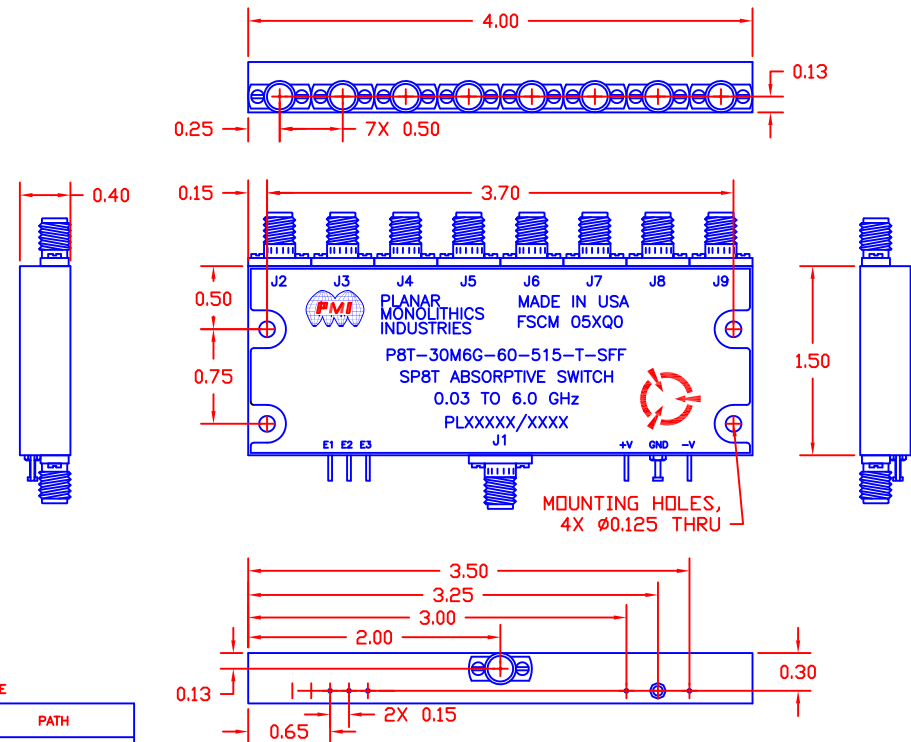


TABLE 1 - LOGIC TABLE

E1	E2	E3	PATH
0	0	0	J1-J2
0	0	1	J1-J3
0	1	0	J1-J4
0	1	1	J1-J5
1	0	0	J1-J6
1	0	1	J1-J7
1	1	0	J1-J8
1	1	1	J1-J9

PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>JPJ</i>		2/22/19	PRODUCT FEATURE P8T-30M6G-60-515-T-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. 1 OF 1