

DESCRIPTION

PMI MODEL: P8T-20M6G-80-R-515-SFF IS A SINGLE POLE EIGHT THROW, REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL DECODED 3-BIT TTL DRIVER DESIGNED FOR 20 MHz TO 6 GHz OPERATION.

SPECIFICATIONS

- FREQUENCY RANGE: 20 MHz TO 6 GHz
- INSERTION LOSS: 2.75 dB TYP, 3.25 dB MAX
- ISOLATION: 80 dB MIN, 100 dB TYP
- VSWR: 2.0:1 MAX
- SWITCHING SPEED: 250 ns MAX
- OPERATING POWER: 23 dBm CW MAX
- CONTROL: 3-BIT DECODED TTL LOGIC
(SEE TABLE 1)
- POWER SUPPLY: +5 VDC @ 350 mA MAX
-15 VDC @ 100 mA MAX
- SIZE: (L) 3.0" X (W) 1.5" X (H) 0.5"
- FINISH: BLUE EPOXY POLIMIDE COATING
IAW MIL-C-22750, TYPE I OVER
EPOXY POLIMIDE PRIMER IAW
MIL-P-23377,
TYPE I, CLASS 1 OR 3.
- SEALING: EPOXY SEALED

TABLE 1 - LOGIC TABLE

C1	C2	C3	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

ENVIRONMENTAL RATINGS

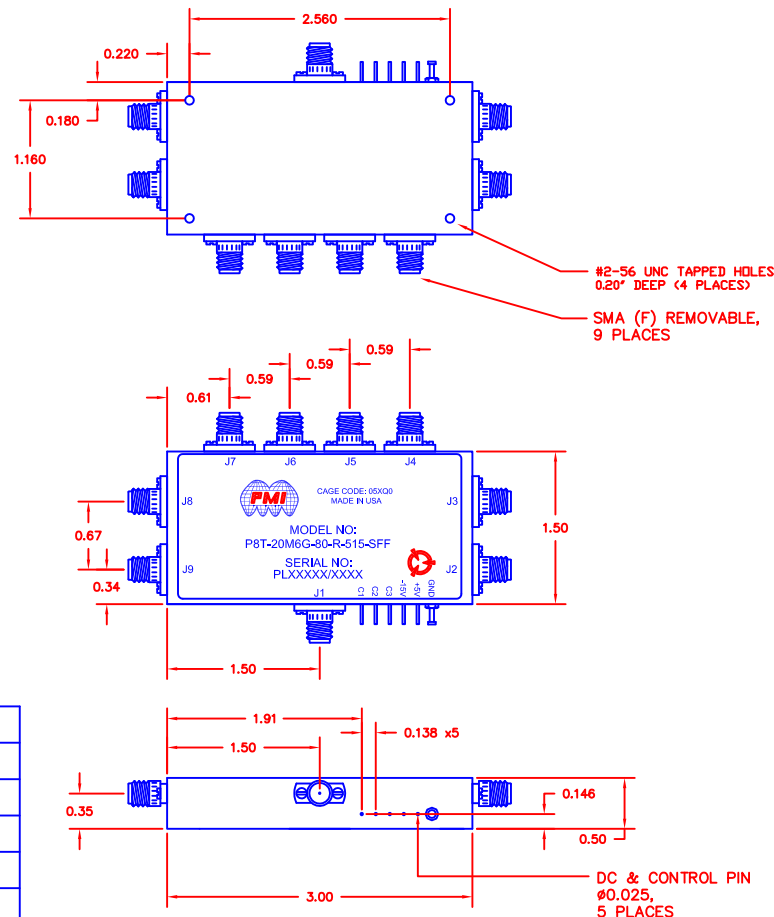
- TEMPERATURE: -40 °C TO + 85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107G 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	04/15/15	JCM

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN		JCM	PRODUCT FEATURE		
CHECKED			P8T-20M6G-80-R-515-SFF		
ISSUED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	27025042
			SCALE	N: S	SHEET 1 OF 1