

DESCRIPTION

PMI MODEL: P2T-500M10G-60-R-515-SFF-10WCW IS A SINGLE POLE TWO THROW REFLECTIVE SWITCH THAT OPERATES OVER THE 0.5 TO 10 GHz FREQUENCY RANGE. THIS SWITCH HANDLES INPUT POWER OF 10 WATTS CW AND HAS A TYPICAL SWITCHING SPEED OF 100 ns.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 GHz TO 10.0 GHz
- INSERTION LOSS: 2.5 dB MAXIMUM
- ISOLATION: 60 dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SWITCHING SPEED: 100 ns TYPICAL
(50% TTL TO 10%/90% RF)
- CONTROL LOGIC: SINGLE CONTROL TTL TOGGLE
LOGIC "0" = J1-J2 ON
LOGIC "1" = J1-J3 ON
- RF CONNECTORS: SMA FEMALE (3X)
- POWER SUPPLY: +5 V @ 100 mA MAXIMUM
-15 V @ 75 mA MAXIMUM
- RF POWER (OPERATING): 10 WATTS CW MAXIMUM
- SIZE: 1.2" (L) X 1.00" (W) X 0.50" (H)
- 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.

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °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 107D COND. A

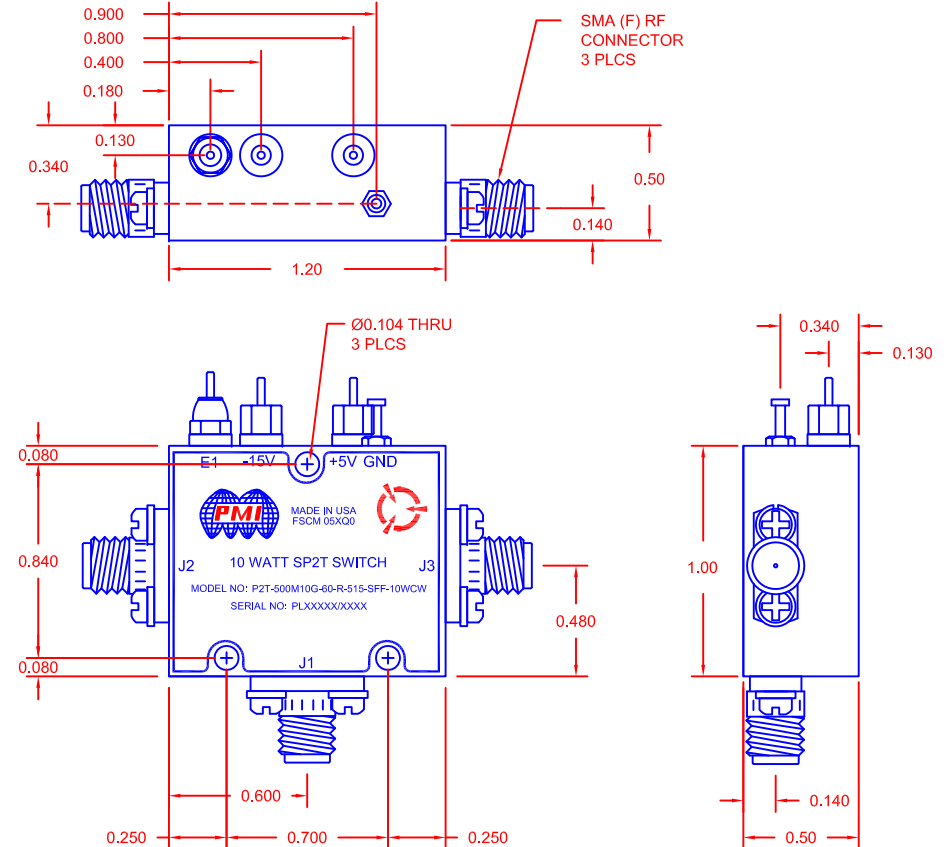
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	05/11/15	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		05/11/15	PRODUCT FEATURE P2T-500M10G-60-R-515-SFF-10WCW			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27025431	1
			SCALE	N:S		SHEET 1 OF 1