

DESCRIPTION

PMI MODEL PMSN-2DT-05-STD-OPT100M1G-XB15HAD IS AN ABSORPTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.1 GHz TO 1.0GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

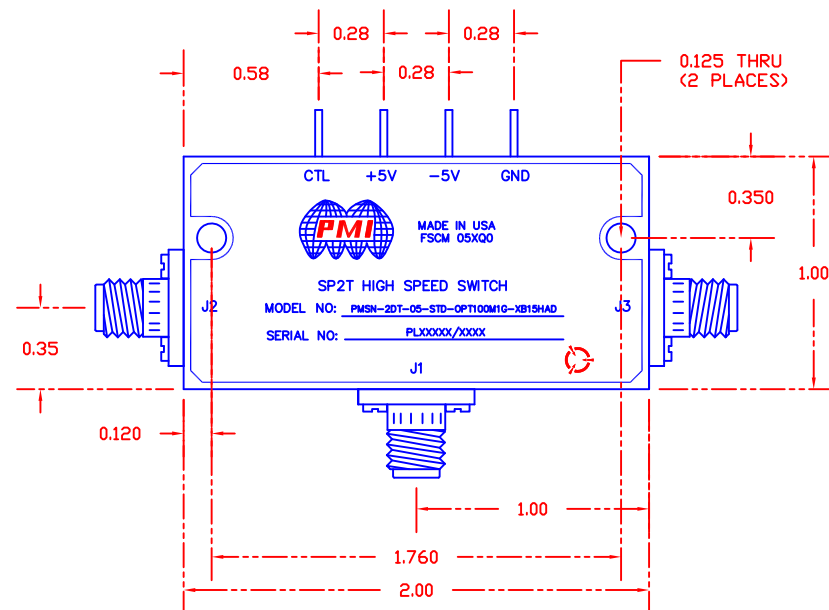
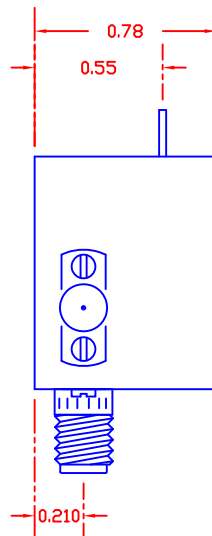
SPECIFICATIONS

- FREQUENCY RANGE:..... 0.1 TO 1.0 GHz
- ISOLATION:..... 60 dB MIN
- INSERTION LOSS:1.0 dB MAX
- VSWR IN / OUT:1.70 : 1 MAX
- INPUT POWER:.....+20 dBm CW MAX
- SURVIVAL POWER:1W CW OR 10W PEAK 1USEC PW
- RF SWITCHING SPEED:RISE: 15ns MAX
FALL: 15ns MAX
DELAY ON: 100ns MAX
DELAY OFF: 100ns MAX
- DC VOLTAGE:.....+5 VDC @ 100 mA MAX
-5 VDC @ 100 mA MAX
- CONTROL SIGNAL:.....TTL LOGIC
"0" = J1 to J2 "Low Loss"
"1" = J1 to J3 "Low Loss"
- CONNECTORS IN/OUT:.....SMA FEMALE
- DC & CONTROL:SOLDER PINS
- FINISH:BLUE EPOXY PAINT

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 107

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



PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/30/14	

MECHANICAL OUTLINE

APPROVALS		DATE	TITLE		
DRAWN <i>K. MASON</i>		10/30/14	PRODUCT FEATURE PMSN-2DT-05-STD-OPT100M1G-XB15HAD		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N: S		REV. -
				SHEET	1 OF 1