

## DESCRIPTION

PMI MODEL P5T-100M1G-90-T-55-SFF IS AN ABSORPTIVE, SINGLE POLE, FIVE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 100MHZ TO 1.0GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

## SPECIFICATIONS

- FREQUENCY RANGE:.....100MHZ TO 1.0GHZ
- INSERTION LOSS:.....2.5 dB TYP, 3.5 dB MAX
- ISOLATION:.....90 dB MIN
- VSWR IN / OUT:.....2.0 : 1 MAX
- INPUT POWER:.....+20 dBm CW MAX (OPERATING)
- RF SWITCHING SPEED:.....50ns MAX.
- CONTROL SIGNAL:.....TTL LOGIC - "1" = "LOW LOSS"  
TTL LOGIC - "0" = "ISOLATION"  
PINS E1 thru E5 ARE PULLED LOW "0"
- DC VOLTAGE:.....+5VDC @ 250 mA NOMINAL  
-5VDC @ 100 mA NOMINAL
- CONNECTORS IN/OUT:.....SMA FEMALE CONNECTORS
- CONTROL CONNECTORS:.....SOLDER PINS
- FINISH:.....MIL-SPEC EPOXY PAINT - GRAY

## ENVIRONMENTAL RATINGS

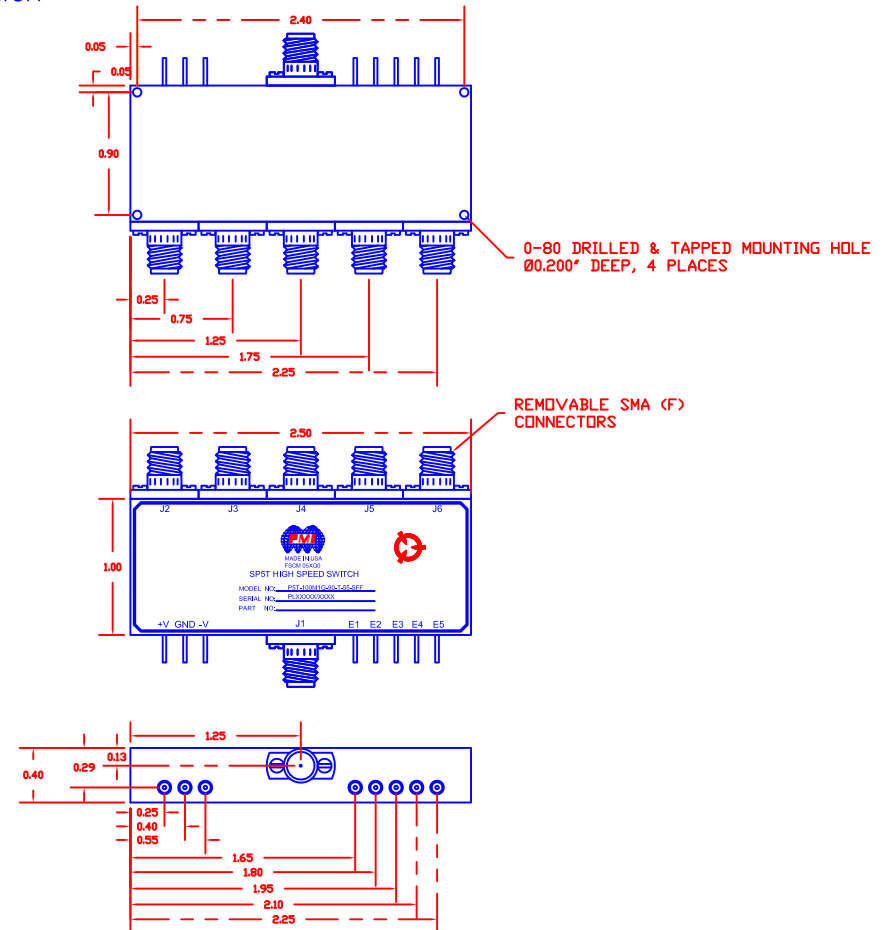
- TEMPERATURE:.....-40°C TO +85°C (OPERATING)  
-55°C TO +125°C (STORAGE)
- HUMIDITY:.....MIL-STD-202F, METHOD 103B COND. B
- SHOCK:.....MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:.....MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:.....MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:.....MIL-STD-202F, METHOD 107

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

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX ±0.010  
X.XXX ±0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	04/11/11	

## MECHANICAL OUTLINE



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ISO 9001:2000 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>K.M.</i>		04/11/11	PRODUCT FEATURE P5T-100M1G-90-T-55-SFF			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27014301	REV. A
ISSUED			SCALE N: S		SHEET 1 OF 1	