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

DESCRIPTION

PMI MODEL P2T-8G11G-90-T-SFF IS AN ABSORPTIVE, SINGLE POLE, TWO THROW PIN DIODE SWITCH THAT OPERATES OVER THE 8.0 GHZ TO 11.0 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

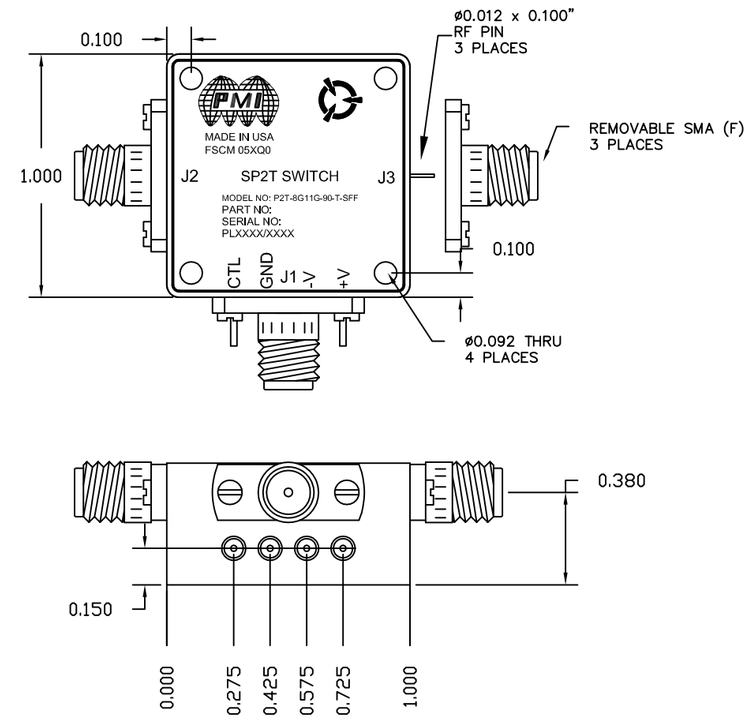
SPECIFICATIONS

- FREQUENCY RANGE: 8.0 TO 11.0 GHz
- ISOLATION: 90 dB MIN
- INSERTION LOSS: 2.5 dB TYP, 3.5 dB MAX
- VSWR IN / OUT: 2.0 : 1 MAX
- INPUT POWER: +20 dBm CW MAX (OPERATING)
- SURVIVAL POWER: 1W PEAK 1 µsec
- SWITCHING SPEED: 50 nsec MAX.
- DC SUPPLY: +5VDC @ 200 mA MAX
−5VDC @ 100 mA MAX
- CONTROL SIGNAL: TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT: SMA FEMALE CONNECTORS
- CONTROL CONNECTORS: SOLDER PINS
- FINISH: MIL-SPEC EPOXY PAINT – GRAY

LOGIC TABLE

CTL	J1 – J2	J1 – J3
0	ON	OFF
1	OFF	ON

MECHANICAL OUTLINE



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

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ISO 9001:2000 CERTIFIED

APPROVALS	DATE
DRAWN KM	04/11/11
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE P2T-8G11G-90-T-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27014261	A

SCALE N:S SHEET 1 OF 1