REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	3/4/11	

DESCRIPTION

PMI MODEL P2T-0R75G18G-80-R-512-SFF IS A REFLECTIVE, SINGLE POLE, TWO THROW SWITCH THAT OPERATES OVER THE 0.75 GHZ TO 18 GHZ FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS

- FREQUENCY RANGE: ..... 0.75 GHz TO 18 GHz
- ISOLATION: ..... 80 dB MIN
- INSERTION LOSS: ..... 3.0 dB TYP
- VSWR IN / OUT: ..... 2.0 : 1
- INPUT POWER: ..... +30 dBm CW MAX
- RF SWITCHING SPEED: ..... 25 nS MAX
- DC VOLTAGE: ..... +5 V
−12 V
- CONTROL SIGNAL: ..... TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT: ..... SMA FEMALE CONNECTORS
- CONTROL CONNECTORS: ..... SMA FEMALE CONNECTOR
- FINISH: ..... GOLD PLATED

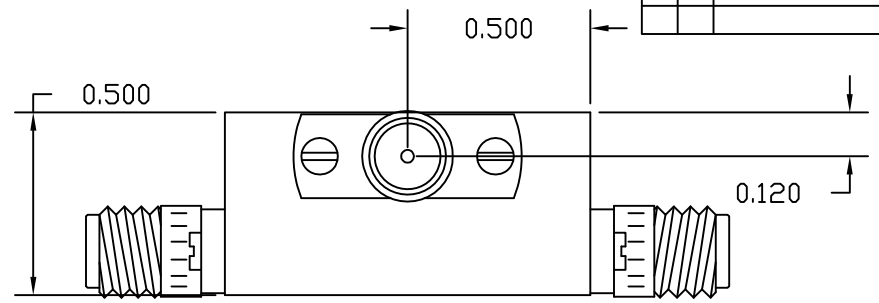
LOGIC TABLE

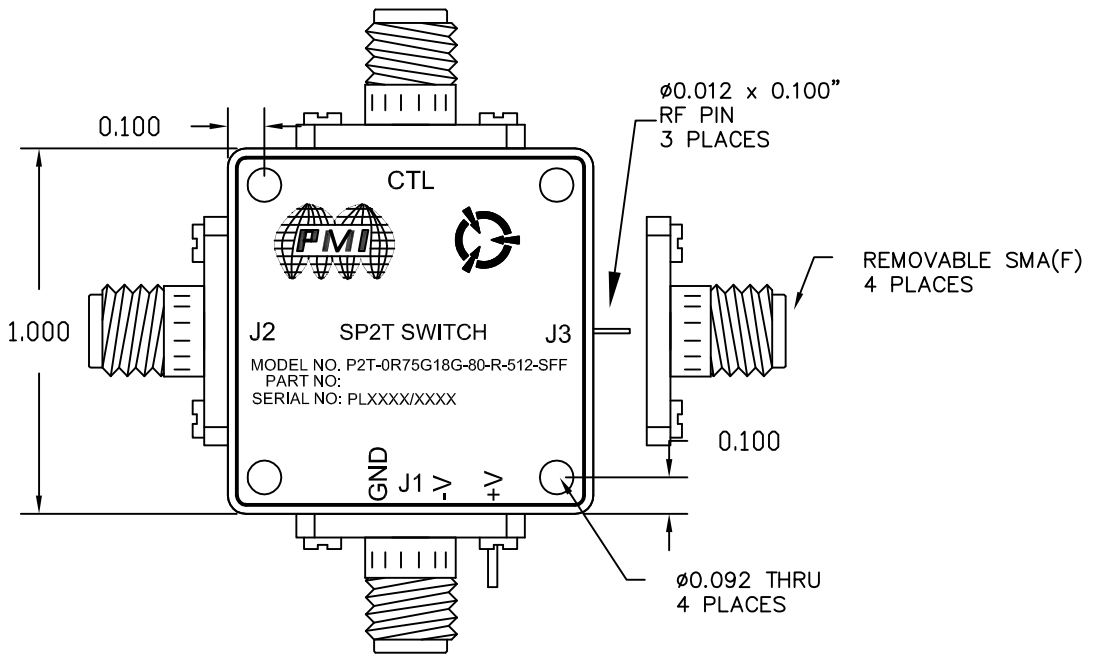
CTL	J1 – J2	J1 – J3
0	ON	OFF
1	OFF	ON

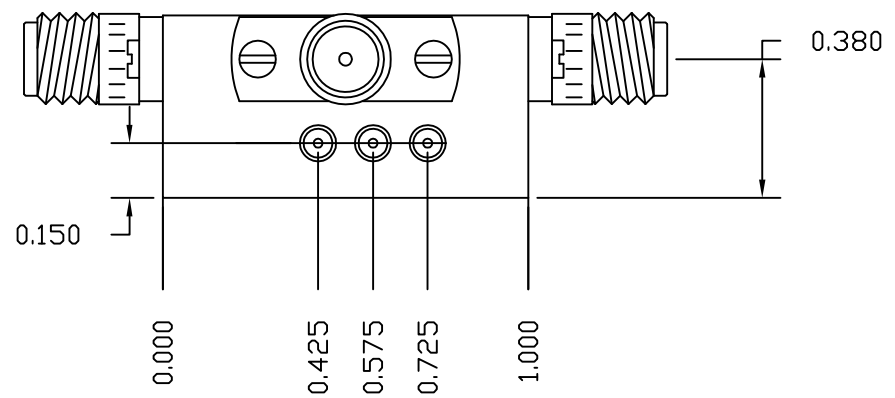
ENVIRONMENTAL RATINGS

- **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
- **SALT FOG:** ..... MIL−STD−202F, METHOD 107D COND. A
- **FUNGUS:** ..... MIL−STD−810C, METHOD 508.2
- **TEMPERATURE CYCLE:** ..... MIL−STD−202F, METHOD 107

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







NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± DECIMALS .XX ± 0.010 .XXX ± 0.005 ANGLES ±

MATERIAL:

FINISH:

DO NOT SCALE DRAWING

PART NO.

APPROVALS	DATE
DRAWN DPD	2/28/11
CHECKED	
ISSUED	

PLANAR MONOLITHICS INDUSTRIES
FREDERICK, MARYLAND

TITLE
OUTLINE DRAWING
P2T-0R75G18G-80-R-512-SFF

SIZE	FSCM NO.	DWG NO.	REV.
B		27014321	A

SCALE N/S SHEET 1 OF 1