DESCRIPTION:

PMI MODEL NUMBER P3T-2G18G-60-T-SFF IS A SINGLE POLE, THREE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 2.0GHZ TO 18.0GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED. THIS MODEL OFFERS LOW VIDEO TRANSIENT PERFORMANCE OF 20MV MAXIMUM.

SPECIFICATIONS:

- FREQUENCY: . . . . . 2.0 GHz TO 18.0 GHz
- INSERTION LOSS: . . . . . 3.2dB MAXIMUM
- ISOLATION: . . . . . 55dB MINIMUM
- VSWR: . . . . . 2.0:1 MAXIMUM
- SPEED: . . . . . ON/OFF - 50ns MAXIMUM

- POWER INPUT (OPERATING): . . . . 200mW CW MAXIMUM
- VIDEO LEAKAGE . . . . . 20mV @ 350MHZ BW MAXIMUM (1)
- CONTROL: . . . . . TTL LOGIC - "0" = "LOW LOSS"
  TTL LOGIC - "1" = "ISOLATION"
  PINS E1, E2, and E3 ARE PULLED LOW "0"
- POWER SUPPLY: . . . . . +5V @ 110 mA NOMINAL
  -12V @ 90 mA NOMINAL
- RF CONNECTORS: . . . . . SMA FEMALE CONNECTORS
- DC CONNECTORS: . . . . . SOLDER PINS
- SEALING . . . . . HERMETIC
- FINISH: . . . . . PAINTED GRAY

(1) After 50 nsec no video transient will be present
(2) - Video filter is required on input and output ports.

ENVIRONMENTAL RATINGS:

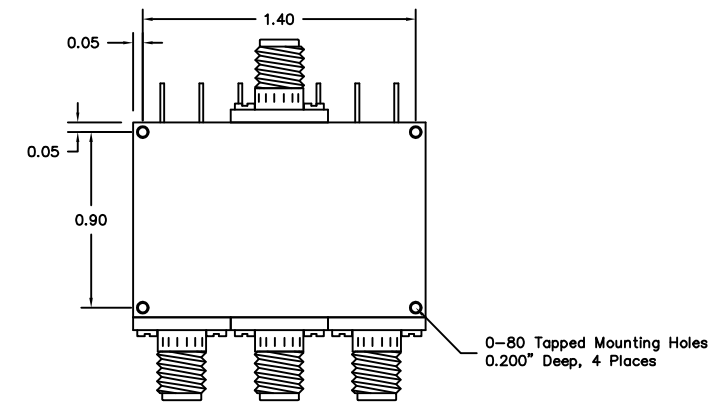
- TEMPERATURE: . . . . . -54°C TO +85°C (OPERATING)
  -65°C TO +125°C (STORAGE)
- HUMIDITY: . . . . . MIL-STD-202F, METHOD 103B COND. B
- SHOCK: . . . . . MIL-STD-202F, METHOD 213B COND. C
- VIBRATION: . . . . . MIL-STD-202F, METHOD 204D COND. G
- SALT FOG: . . . . . MIL-STD-202F, METHOD 101D+EST COND. B
- FUNGUS: . . . . . MIL-STD-810F, METHOD 508.5

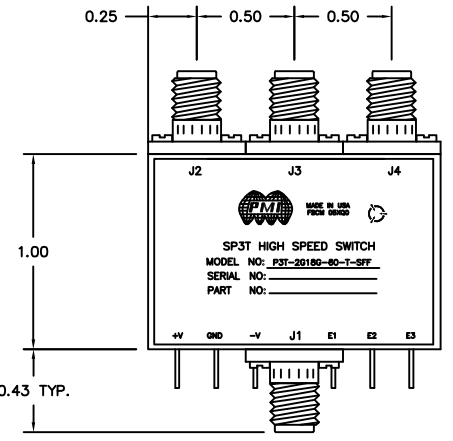
Note: Environmental testing and ESS will be met, but actual testing is not done by PMI
Actual screening is available for an additional charge.

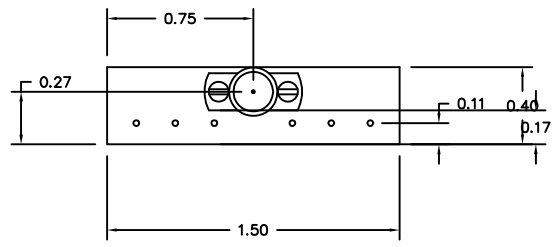
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	7/7/10	
	B	MOUNTING HOLES 0.200 DEEP	9/9/10	
	C	ISOLATION SPEC. CHANGE	1/6/11	







PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2008 CERTIFIED

APPROVALS	DATE
DRAWN KM	7/7/10
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE
P3T-2G18G-60-T-SFF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27013362	C

SCALE N:S SHEET 1 OF 1