

DESCRIPTION:

PMI MODEL NUMBER P3T-0R5G4G-60-T-SFF IS A SINGLE POLE, THREE THROW NON-REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 0.5GHZ TO 4.0GHZ FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED. THIS MODEL OFFERS LOW VIDEOD TRANSISENT PERFORMANCE OF 50MV MAXIMUM.

SPECIFICATIONS:

- FREQUENCY: 0.5 GHz TO 4.0 GHz
- INSERTION LOSS (0.6 – 2.5GHz): 2.5dB MAXIMUM
- INSERTION LOSS (0.5 – 4GHz): 3.0dB MAXIMUM
- ISOLATION: 60dB MINIMUM
- VSWR: 2.0:1 MAXIMUM
- SPEED: ON/OFF – 50ns MAXIMUM
RISE/FALL – 15ns MAXIMUM
- POWER INPUT (OPERATING): +10dBm CW MAXIMUM
- VIDEOD LEAKAGE: 50mV @ 350MHZ BW MAXIMUM (1)
- CONTRLO: TTL LOGIC – “1” = “LOW LOSS”
TTL LOGIC – “0” = “ISOLATION”
PINS E1, E2, and E3 ARE PULLED LOW “0”
- POWER SUPPLY: +5V @ 150 mA NOMINAL
-12V @ 80 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.

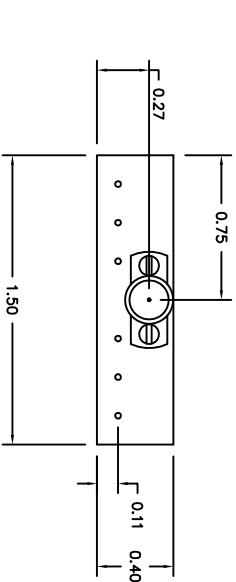
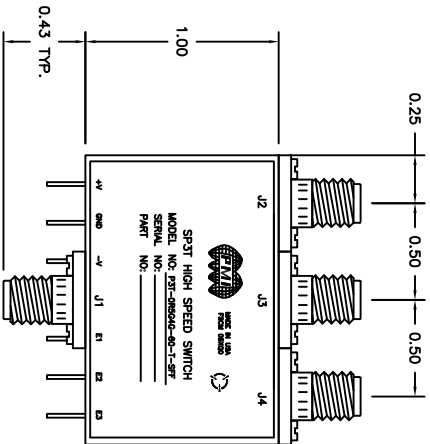
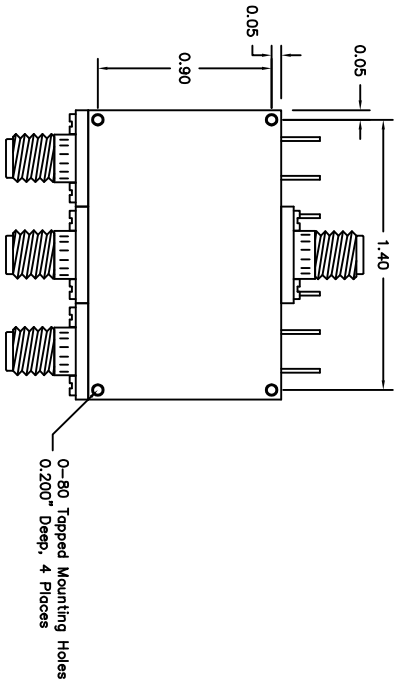
ENVIRONMENTAL RATINGS:

- TEMPERATURE: -45°C TO +90°C (OPERATING)
-54°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. B
- 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	6/8/10	
	B	MOUNTING HOLE 0.200 DEEP	9/9/10	
	C	SPEC CHANGES	12/21/10	



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ISD 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		6/8/10		PRODUCT FEATURE			
CHECKED				P3T-0R5G4G-60-T-SFF			
ISSUED							
		SIZE	FSCM NO.	DWG NO.			
		A	05X00	27013302			
		SCALE	N:S		SHEET	1 OF 1	REV. C

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
XXX ±0.010
XXXX ±0.005