

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

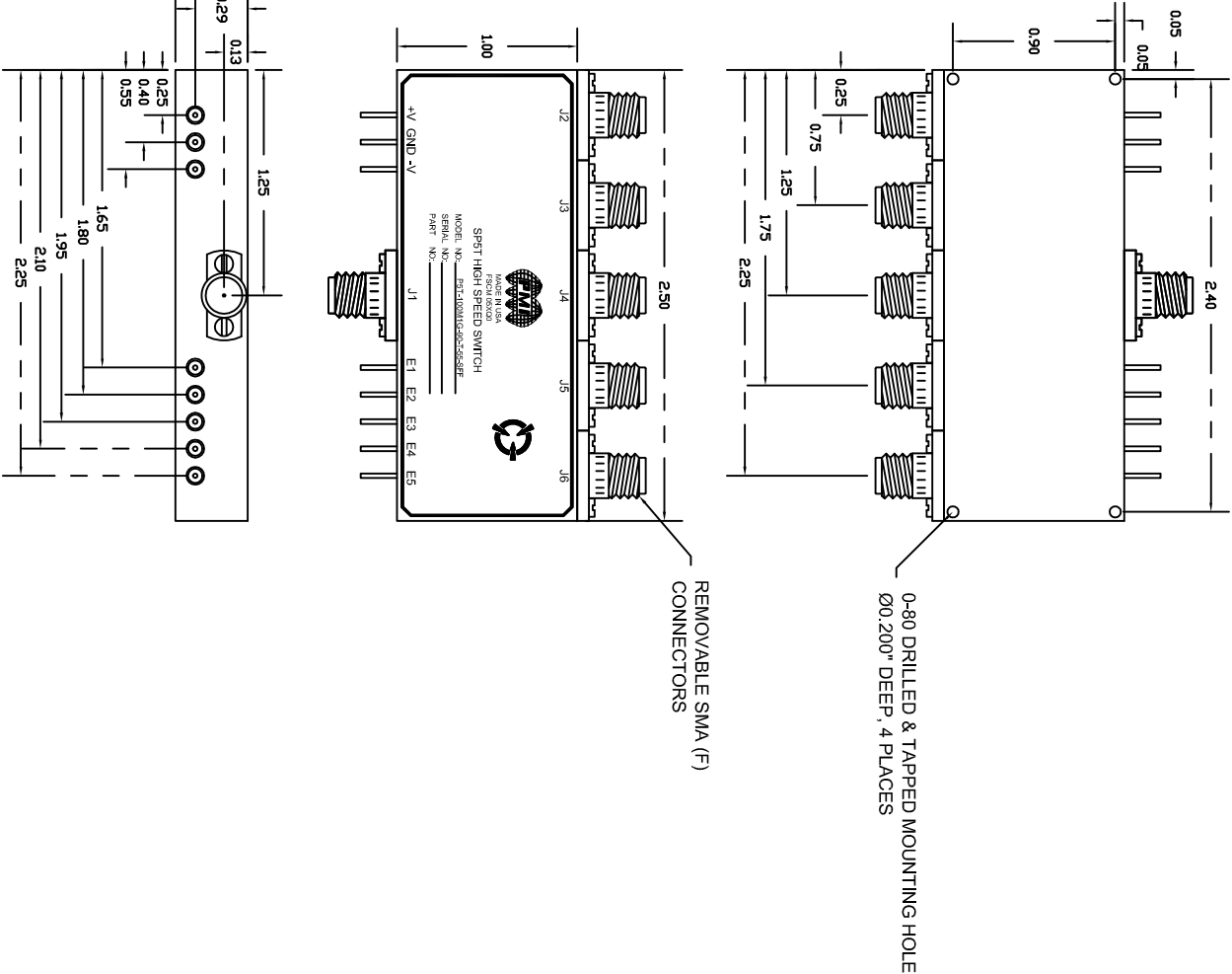
ENVIRONMENTAL RATINGS

- 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

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

MECHANICAL OUTLINE



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 9001:2000 CERTIFIED

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

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