

DESCRIPTION

PMI MODEL: P8T-8G12D4G-60-T-512-SFF IS A SINGLE POLE EIGHT THROW, ABSORPTIVE/NON-REFLECTIVE SWITCH MODULE WITH LOW INSERTION LOSS, HIGH ISOLATION AND WITH INTEGRAL TTL DRIVER DESIGNED FOR 8.0 GHz TO 12.4 GHz OPERATION.

SPECIFICATIONS

- FREQUENCY RANGE:..... 8.0 GHz TO 12.4 GHz
- INSERTION LOSS:..... 4 dB TYPICAL
- ISOLATION:..... 60 dB MINIMUM
- VSWR:..... ABSORPTIVE IN/OUT: 2.0:1 MAXIMUM
 ABSORPTIVE OUT/OFF: 2.0:1 MAXIMUM
- SPEED:..... RISE: 500ns MAXIMUM, 300ns TYPICAL
 FALL: 500ns MAXIMUM, 300ns TYPICAL
- RF POWER:..... +23 dBm CW (OPERATING)
- CONTROL:..... TTL LOGIC "0"= ON "1"= OFF
 CONTROL PINS NORMALLY PULLED HIGH
- POWER SUPPLY:..... + 5VDC @ 500 mA MAXIMUM
 -12VDC @ 100 mA MAXIMUM
- RF PHASE MATCHING:..... +/-10 DEGREES TYPICAL (PORT TO PORT)
- SIZE:..... Ø1.50" CIRCLE POINT TO POINT X 0.40 (H)
- CONNECTORS:..... SMA(F)
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS

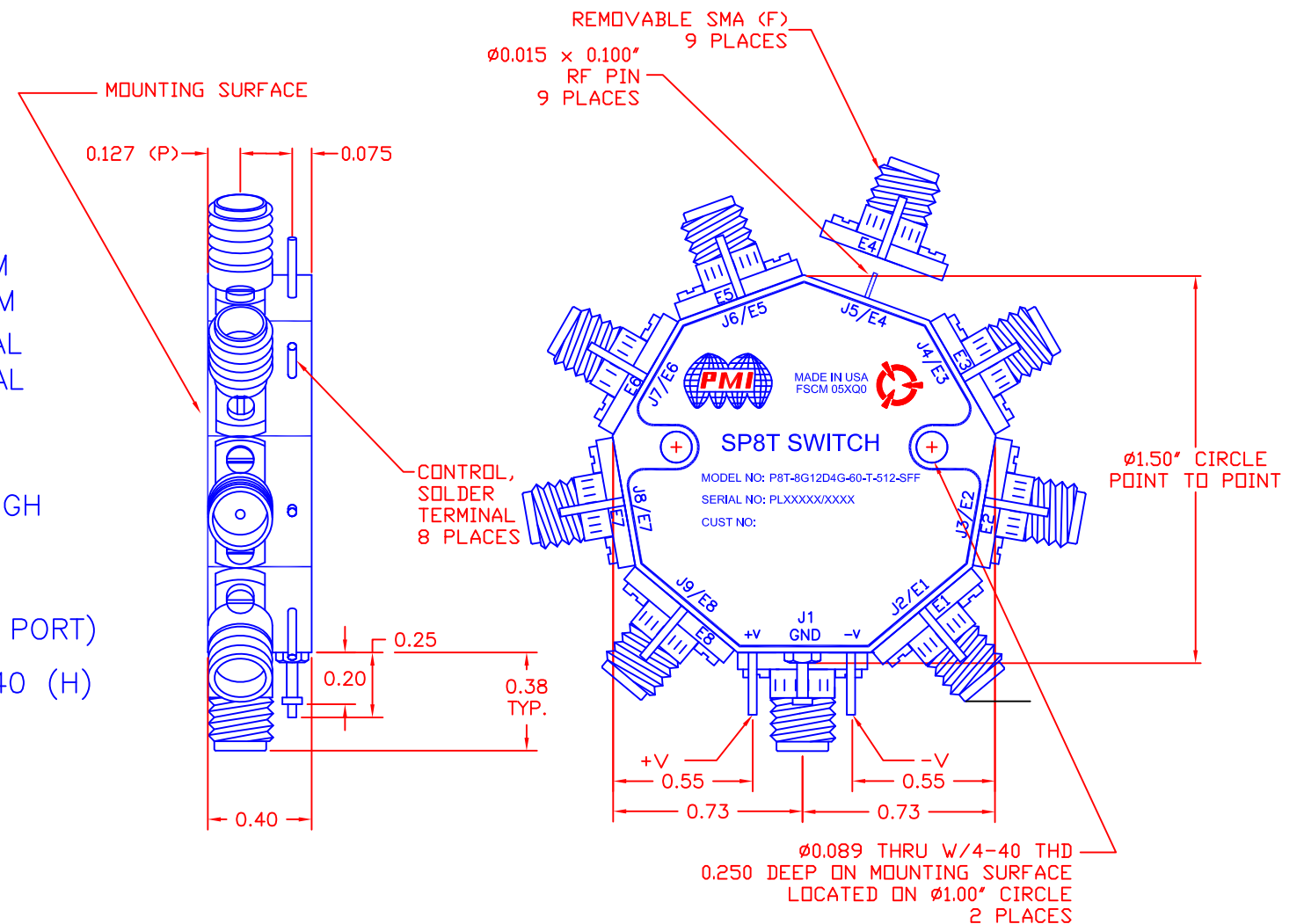
- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
 -65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107G COND. A

ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.020
 X.XXX ±0.010

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	5/25/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>JCM</i>		5/25/14	PRODUCT FEATURE P8T-8G12D4G-60-T-512-SFF			—
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S		SHEET 1 OF 1	