

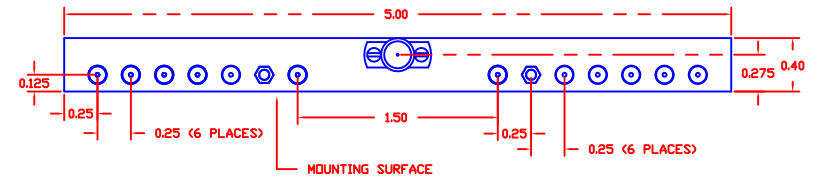
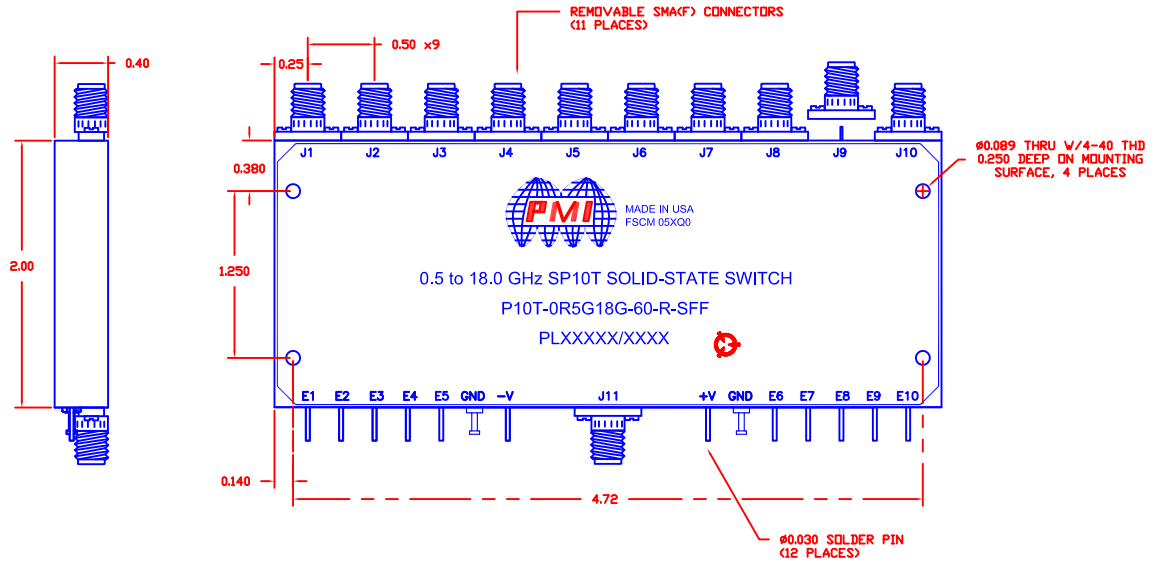
# DESCRIPTION

PMI MODEL P10T-0R5G18G-60-R-SFF IS A HIGH SPEED, SINGLE POLE, TEN THROW, REFLECTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100 nsec. THE FREQUENCY RANGE IS 0.5 TO 18.0 AND HAS OVER 60 dB OF ISOLATION.

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
	-	PRELIMINARY	2/24/16	

# SPECIFICATIONS

- FREQUENCY RANGE:..... 0.5 to 18.0 GHz
- ISOLATION: ..... 60 dB MINIMUM
- INSERTION LOSS: ..... 5.0 dB MAXIMUM
- VSWR IN/OUT ..... 2.0:1 MAXIMUM
- OPERATING INPUT POWER ..... +20 dBm CW
- SWITCHING SPEED ..... 100 nsec MAXIMUM
- CONTROL: ..... 4-BIT DECODED TTL
- DC VOLTAGE & CURRENT ..... +5 VDC @ 500 mA TYPICAL  
 ..... -5 VDC @ 100 mA TYPICAL
- RF CONNECTORS: ..... SMA FEMALE
- SIZE: ..... (L) 5.0" X (W) 2.0" X (H) 0.4"
- FINISH: ..... BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.



PMI CONFIDENTIAL AND PROPRIETARY

# ENVIRONMENTAL RATINGS

- **TEMPERATURE:**..... -54 °C TO +95°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 107D COND. A

## PLANAR MONOLITHICS INDUSTRIES, INC.

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 ISO 9001 CERTIFIED



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

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

APPROVALS		DATE	TITLE		REV.
DRAWN <i>EMF</i>		2/24/16	PRODUCT FEATURE P10T-0R5G18G-60-R-SFF		-
CHECKED			SIZE	FSCM NO.	DWG NO.
			A	05XQ0	PRELIMINARY
ISSUED			SCALE	N:S	SHEET 1 OF 1