

**DESCRIPTION:**

PMI MODEL NUMBER P2T-500M18G-60-R-1W-SFF-HERM IS A SINGLE POLE, TWO THROW REFLECTIVE SWITCH DESIGNED TO OPERATE OVER THE 0.5 TO 18 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

**SPECIFICATIONS:**

- FREQUENCY: ..... 0.5 TO 18.0 GHz
- INSERTION LOSS: ..... 2.5 dB MAX
- ISOLATION: ..... 60 dB MIN
- VSWR: ..... 2.0:1 MAX
- RF INPUT POWER (SURVIVAL): ..... 1 W CW  
2 W PEAK, 1% DC, 100 ns PW (2-18 GHz)
- SWITCHING SPEED: ..... 25 ns MAX
- OPERATING POWER: ..... +23 dBm CW MAX
- LOGIC CONTROL: ..... +5 V TTL (SEE TRUTH TABLE)
- POWER SUPPLY: ..... +5 TO +15 V @ 65 mA MAX  
-5 TO -15 V @ 65 mA MAX
- RF CONNECTORS: ..... SMA FEMALE CONNECTORS
- FINISH: ..... GOLD PLATED
- SEALING: ..... HERMETIC

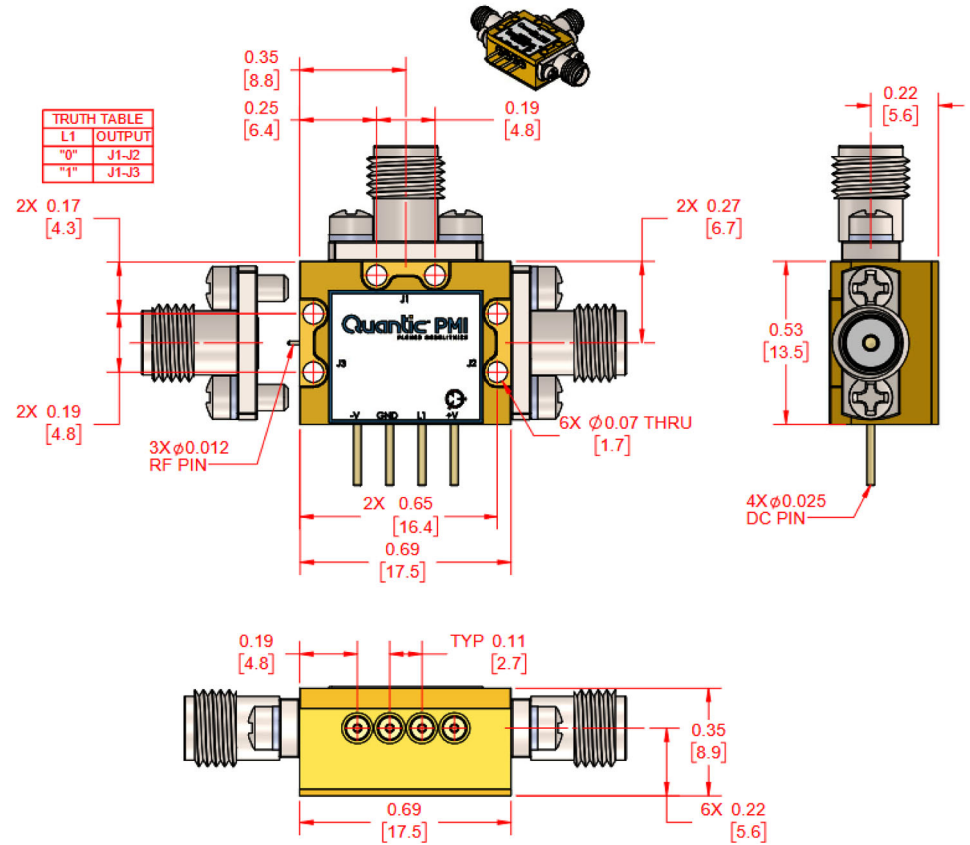
**ENVIRONMENTAL RATINGS**

- **TEMPERATURE:** ..... -40°C TO +71°C (OPERATING)  
-54°C TO +95°C (STORAGE)
- **HIGH OPERATING TEMP:** MIL-STD-810H, METHOD 501.7 PROCEDURES I AND II
- **LOW OPERATING TEMP:** MIL-STD-810H, METHOD 502.7 PROCEDURES I AND II
- **ALTITUDE** ..... UP TO 40,000 FT.  
UP TO 60,000 FT. FOR 2 MINUTES MAX
- **HUMIDITY** ..... UP TO 100% RH
- **RANDOM VIBRATION:** MIL-STD-810H, METHOD 514.8 PROCEDURE I
- **MECHANICAL SHOCK:** MIL-STD-810H, METHOD 516.8 PROCEDURE I

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  
WEIGHT: 2.75 oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	03/31/26	



PMI CONFIDENTIAL AND PROPRIETARY

**PLANAR MONOLITHICS INDUSTRIES, INC.**

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
	AG	03/31/26	PRODUCT FEATURE		
DRAWN			P2T-500M18G-60-R-1W-SFF-HERM		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
SCALE N:S				SHEET 1 OF 1	