

DESCRIPTION

PMI MODEL: P2T-6G18G-25-T-TFF-100W IS A REFLECTIVE 100-WATT HIGH POWER SINGLE POLE, TWO THROW SWITCH OPERATING IN THE 6.0 TO 18.0 GHz FREQUENCY RANGE.

SPECIFICATIONS

- FREQUENCY RANGE: 6 TO 18 GHz
- INSERTION LOSS: 2 dB GOAL
2.6 dB MAX
- ISOLATION: 25 dB MIN
- PHASE TRACKING: $\pm 5^\circ$
- SWITCHING SPEED: 1 μ s MAX
- POWER HANDLING: 100 W CW MIN
- MOUNTING TEMPERATURE: 50° C, MOUNTING SURFACE TO BE GOLD PLATED
- VSWR: 2.0:1 MAX
- CONTROL: 2 BIT TTL, 0 = ISOLATION, 1 = LOW LOSS
- BIAS: +28 V, +5 V, -5 V
- CONNECTOR FOR RF PORT: TNC FEMALE (J1 INPUT, J2 & J3 OUTPUT)
- CONNECTOR FOR CONTROL: 9 PIN MICRO D TYPE FEMALE MATING WITH M83513/03A/03C
- SIZE (NOT INCLUDING CONNECTORS OR MOUNTING TABS): 1.78" [L] x 0.60" [W] x 2.03" [H]
- FINISH: GOLD PLATED

THIS UNIT IS NON-HERMETIC. THIS UNIT IS COLD SWITCHED, THEREFORE RF POWER IS NOT APPLIED DURING SWITCHING. ONE PATH OF THE SWITCH IS TO REMAIN "ON" AT ALL TIMES.

ENVIRONMENTAL RATINGS

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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

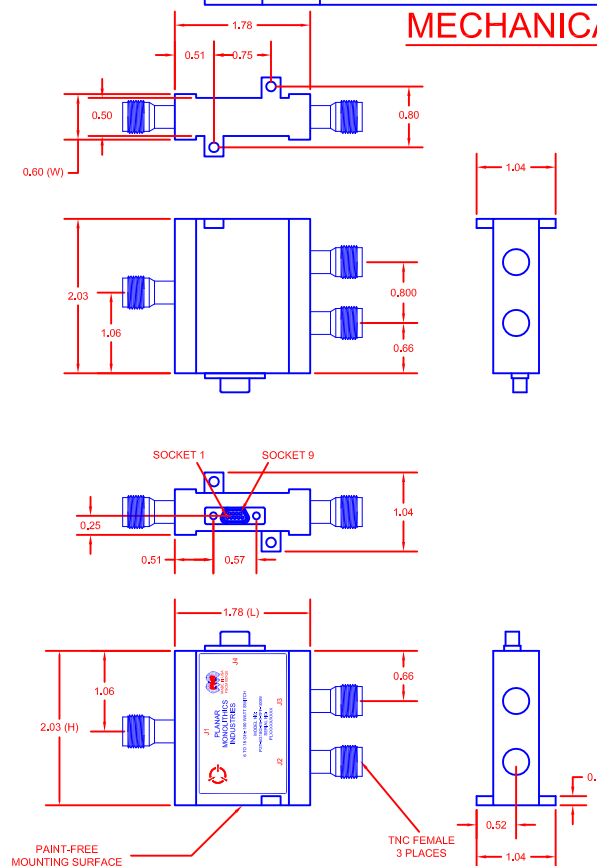
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/19/15	
	2	SPECIFICATION UPDATE	09/29/16	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN			PRODUCT FEATURE P2T-6G18G-25-T-TFF-100W		
CHECKED					
ISSUED					
SCALE		N:S	SIZE	FSCM NO.	REV.
			A	05XQ0	2
			DWG NO.	27020881	
			SHEET	1 OF 1	