

DESCRIPTION:

PMI MODEL No: P1T-500K500M-90-SFF IS SPST DRIVERLESS RF SOLID STATE SWITCH OPERATING FROM 500 kHz TO 500 MHz WITH ISOLATION UP TO 90 dB

SPECIFICATIONS:

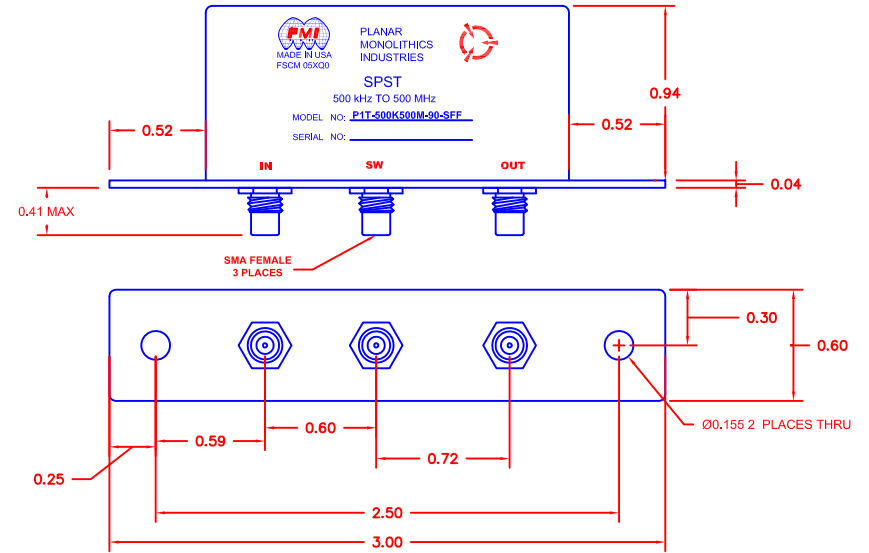
- FREQUENCY:500 kHz TO 500 MHz
- ISOLATION @ 500 KHz TO 50 MHz:90 dB MIN.
- ISOLATION @ 50 MHz TO 100 MHz:80 dB MIN.
- ISOLATION @ 100 MHz TO 200 MHz:70 dB MIN.
- ISOLATION @ 200 MHz TO 250 MHz:60 dB MIN.
- INSERTION LOSS 2.0 MHz TO 100 MHz : 5.0 dB MAX.
- INSERTION LOSS 1.0 MHz TO 200 MHz : 6.0 dB MAX.
- INSERTION LOSS 0.5 MHz TO 500 MHz : 7.0 dB MAX.
- SWITCHING SINGAL SUPPRESSION: WHEN A SINUSOIDAL SWITCHING SIGNAL OF +17dBm IS APPLIED TO THE SWITCHING PORT, THE FUNDAMENTAL COMPONENT OF THAT SIGNAL MEASURED AT THE OUTPUT PORT SHALL BE DOWN AT LEAST 30dB.
- OPERATING RF POWER:+4 dBm MAX.
- PEAK POWER HANDLING:100 MILLIWATS
- PEAK CURRENT HANDLING:70 mA
- SWITCHING SPEED:1 ns MAX.
- INPUT/OUTPUT IMPEDENCE.50 OHMS
- CONTROL SIGNAL:+1.5 V @ +20 mA = "ON"
- CONTROL SIGNAL:-1.0 V @ -20 mA = "OFF"
- RF CONNECTORS:SMA FEMALE CONNECTORS
- DC CONNECTORS:SMA FEMALE CONNECTOR
- UNIT SIZE:3.00" X 0.98" X 0.60"
- FINISH:PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:-54°C TO +100°C INPUT FREQUENCY >1.0MHz (OPERATING)
-20°C TO +100°C INPUT FREQUENCY <1.0MHz (OPERATING)
-65°C TO +100°C (STORAGE)
- SHOCK: MIL-STD-202F, METHOD 213 COND. C
- VIBRATION: MIL-STD-202F, METHOD 204 COND. D
- ALTITUDE:MIL-STD-202F, METHOD 105C COND. G

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	5/22/15	KM



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 ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE	
DRAWN PDW		5/22/15	PRODUCT FEATURE	
CHECKED			P1T-500K500M-90-SFF	
ISSUED			SIZE A	FSCM NO. 05XQ0
			DWG NO.	PRELIMINARY
			SCALE N:S	REV. -
			SHEET	1 OF 1

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