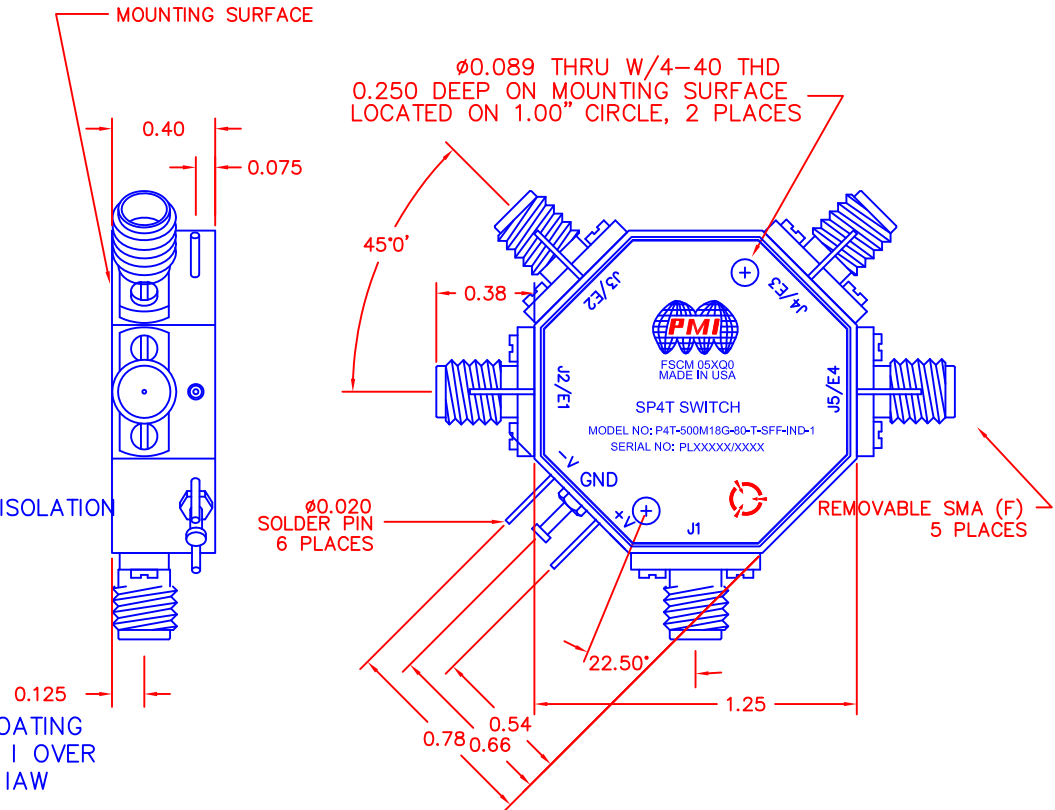


DESCRIPTION

PMI MODEL NUMBER: P4T-500M18G-80-T-SFF-IND-1 IS A 500MHz TO 18GHz, SINGLE POLE, FOUR THROW, ABSORPTIVE SWITCH. THIS SWITCH OFFERS 80dB OF PORT TO PORT ISOLATION, AND A MAXIMUM INSERTION LOSS OF 3.75 dB. IT HAS A SWITCHING SPEED OF 25ns WITH INDIVIDUAL TTL CONTROL. THE OPERATING POWER IS +20dBm CW AND THE VSWR IS 2:1 MAXIMUM.

SPECIFICATIONS

- FREQUENCY RANGE: _____ 500 MHz TO 18 GHz
- INSERTION LOSS: _____ 3.75 dB MAX
- ISOLATION: _____ 80 dB TYP
- VSWR: _____ 2.0: 1 MAX
- SWITCHING SPEED: _____ 50% TTL TO 10%/90% RF
25 ns TYP
- INPUT POWER: _____ +20 dBm CW
- SURVIVAL POWER: _____ +23 dBm CW
- CONTROL SIGNAL: _____ INDIVIDUAL TTL CONTROL
"0" = LOW LOSS & "1" = ISOLATION
- POWER SUPPLY: _____ +5 V @ 200 mA MAX
-5 V @ 100 mA MAX
- RF CONNECTORS: _____ SMA FEMALE
- CONTROL AND POWER: _____ FEEDTHRU - $\varnothing 0.020$ TYP
- 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.



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	01/08/15	

PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: _____ -40°C TO +85°C (OPERATING)
-55°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

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

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	VR	01/08/15	PRODUCT FEATURE P4T-500M18G-80-T-SFF-IND-1		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	27024547
			SCALE	N: S	SHEET 1 OF 1