

DESCRIPTION

PMI MODEL NUMBER: P4T-500M18G-80-T-SFF-IND-3 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

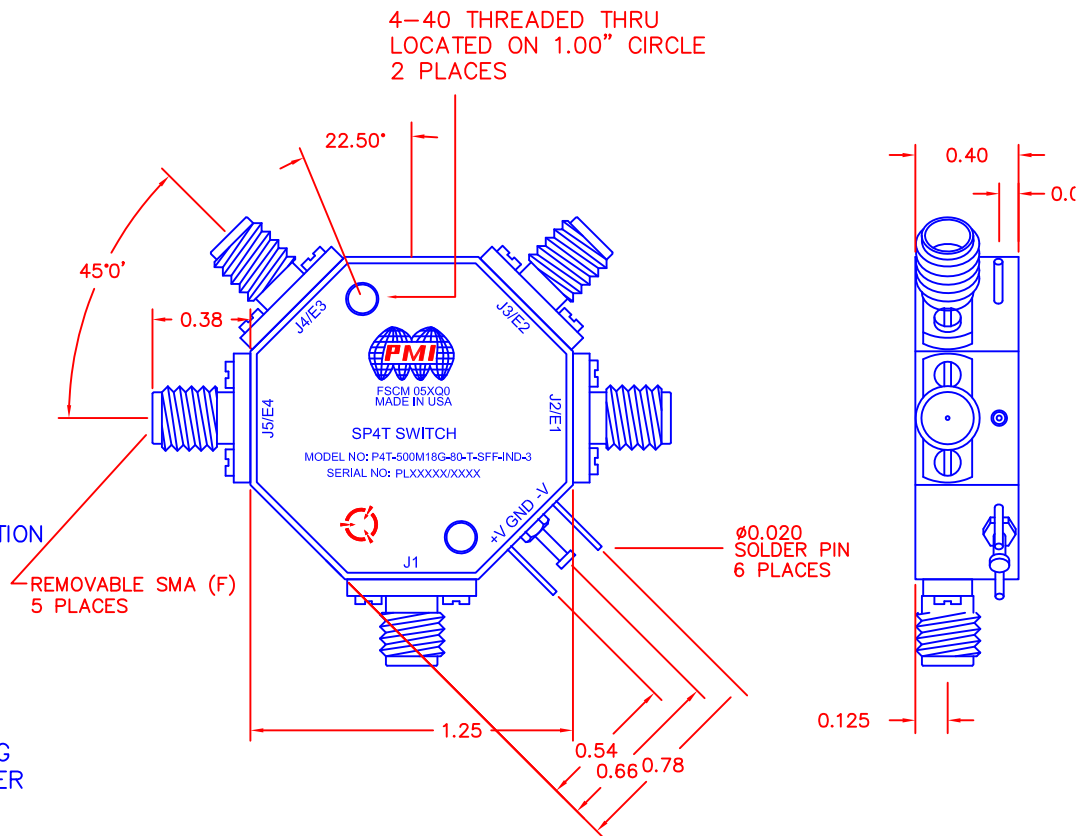
- FREQUENCY RANGE: 500 MHz TO 18 GHz
- INSERTION LOSS: 3.75 dB MAX
- ISOLATION: 80 dB MIN
- VSWR: 2.0: 1 MAX
- SWITCHING SPEED: 50% TTL TO 10%/90% RF
25 ns TYP
- INPUT POWER: +20 dBm CW
- SURVIVAL POWER: +23 dBm CW
- CONTROL SIGNAL: INDIVIDUAL TTL CONTROL
"0" = LOW LOSS & "1" = ISOLATION
- POWER SUPPLY: +5 V @ 200 mA MAX
-5 V @ 100 mA MAX
- RF CONNECTORS: SMA FEMALE
- CONTROL AND POWER: FEEDTHRU - Ø0.020 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.

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/1/20	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



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

APPROVALS		DATE		TITLE	
DRAWN		SPH		PRODUCT FEATURE	
CHECKED				P4T-500M18G-80-T-SFF-IND-3	
ISSUED				PRELIMINARY	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N: S		SHEET	
				1 OF 1	