

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	10/01/15	
	A1	ECN # 16-0081	06/22/16	

DESCRIPTION

PMI MODEL P1T-500M40G-55-R-292FF IS A REFLECTIVE, HIGH SPEED, SINGLE POLE SINGLE THROW SWITCH CAPABLE OF SWITCHING WITHIN 100 ns. THE FREQUENCY RANGE IS 500 MHz TO 40 GHz. THIS SWITCH HAS > 55 dB ISOLATION.

SPECIFICATIONS

- FREQUENCY RANGE: 500 MHz TO 40 GHz
- ISOLATION: 55 dB MIN
- INSERTION LOSS: 5.0 dB TYP
- VSWR IN / OUT: 2.5:1 TYP
- INPUT POWER: +20 dBm CW MAX
- RF SWITCHING SPEED: 100 ns MAX (10% TO 90% RF)
- DC VOLTAGE: ±5 V
- CONTROL SIGNAL: TTL COMPATIBLE
0 VDC ON
+5 VDC OFF
- CONNECTORS IN/OUT: 2.92 mm (F)
- SIZE: (L) 1.0" X (W) 1.0" X (H) 0.5"
- 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

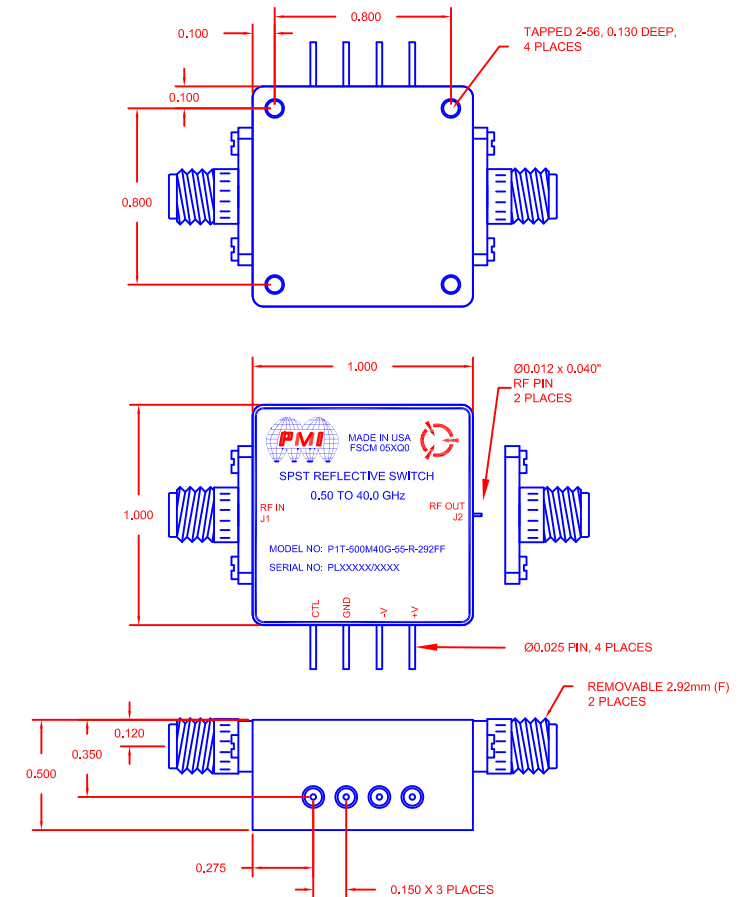
- TEMPERATURE: -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)

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

PMI CONFIDENTIAL AND PROPRIETARY

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		06/22/16	PRODUCT FEATURE P1T-500M40G-55-R-292FF 0.5 to 40.0 GHz SPST Reflective Switch			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27027621	REV. A1
ISSUED			SCALE N:S	SHEET 1 OF 1		