REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	2/5/16	
	A1	ECN # 16-0119	9/2/16	

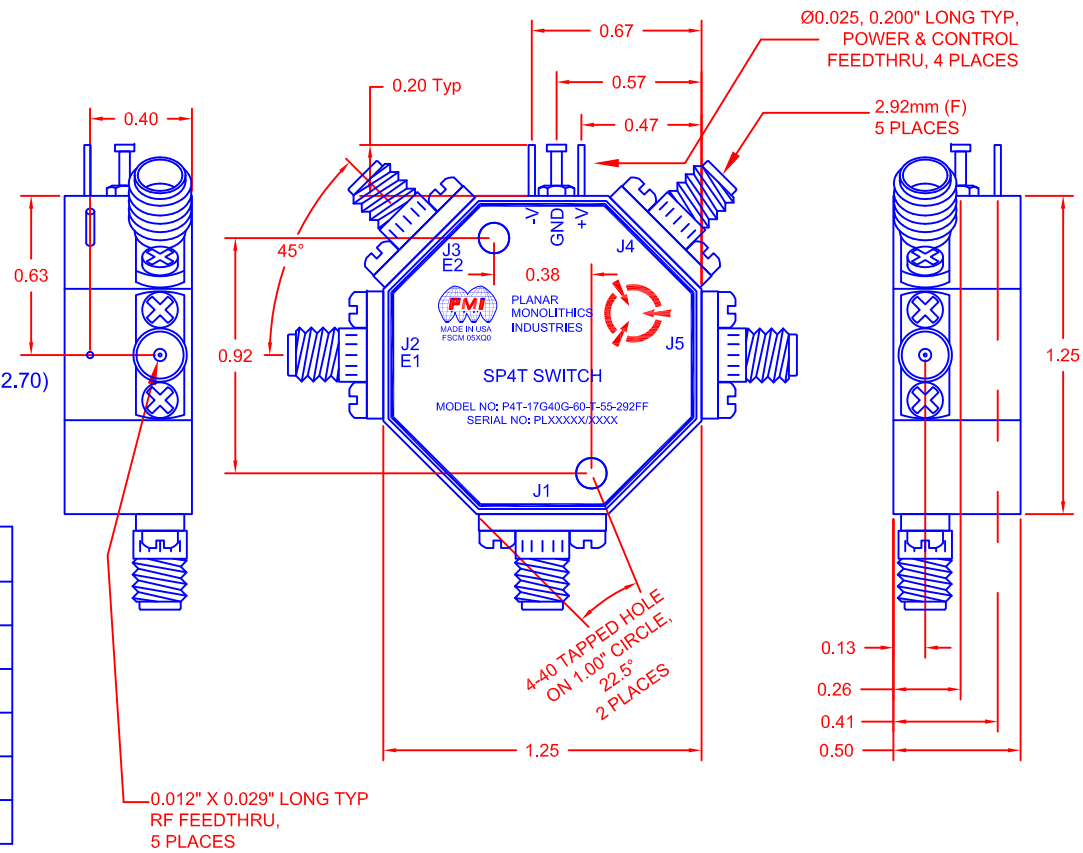
DESCRIPTION

PMI MODEL: P4T-17G40G-60-T-55-292FF IS A SINGLE POLE FOUR THROW ABSORPTIVE SWITCH. THIS MODEL HAS THE FOLLOWING SPECIFICATIONS:

SPECIFICATIONS

- FREQUENCY RANGE: ---------- 17 TO 40 GHz
- INSERTION LOSS: ---------- 6 dB MAXIMUM
- INSERTION LOSS FLATNESS: ---------- ±1.5 dB OVER FULL BAND
- ISOLATION: ---------- 60 dB MINIMUM
- VSWR: ---------- 2.0:1 MAXIMUM
- POWER HANDLING: ---------- 200 mW CW (+23 dBm CW) MINIMUM
- SWITCHING SPEED: ---------- 10% TO 90% 100 ns MAXIMUM
- CONTROL: ---------- TTL CONTROL - SEE LOGIC TABLE
- POWER SUPPLY: ---------- +5 VDC @ 100 mA MAXIMUM
-5 VDC @ 100 mA MAXIMUM
- CONNECTORS: ---------- 2.92mm FEMALE
- CONTROL/POWER: ---------- SOLDER PINS
- SIZE: ---------- (L) 1.25" (31.75) x (W) 1.25" (31.75) x (H) 0.50" (12.70)
- WEIGHT: ---------- 1.5 oz TYPICAL, 1.75 oz MAXIMUM
- FINISH: ---------- GOLD PLATED

MECHANICAL OUTLINE



LOGIC TABLE

2 BIT DECODER		
E1	E2	FUNCTION
0	0	J1-J2 "Low Loss"
0	1	J1-J3 "Low Loss"
1	0	J1-J4 "Low Loss"
1	1	J1-J5 "Low Loss"

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
- ESD RESISTANCE: ---------- HUMAN BODY MODEL CLASS 0

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.
7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: (301)-662-5019, FAX: (301)-662-1731
WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN M. Berry	2/5/16
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE P4T-17G40G-60-T-55-292FF

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27029291	A1

SCALE N:S SHEET 1 OF 1