

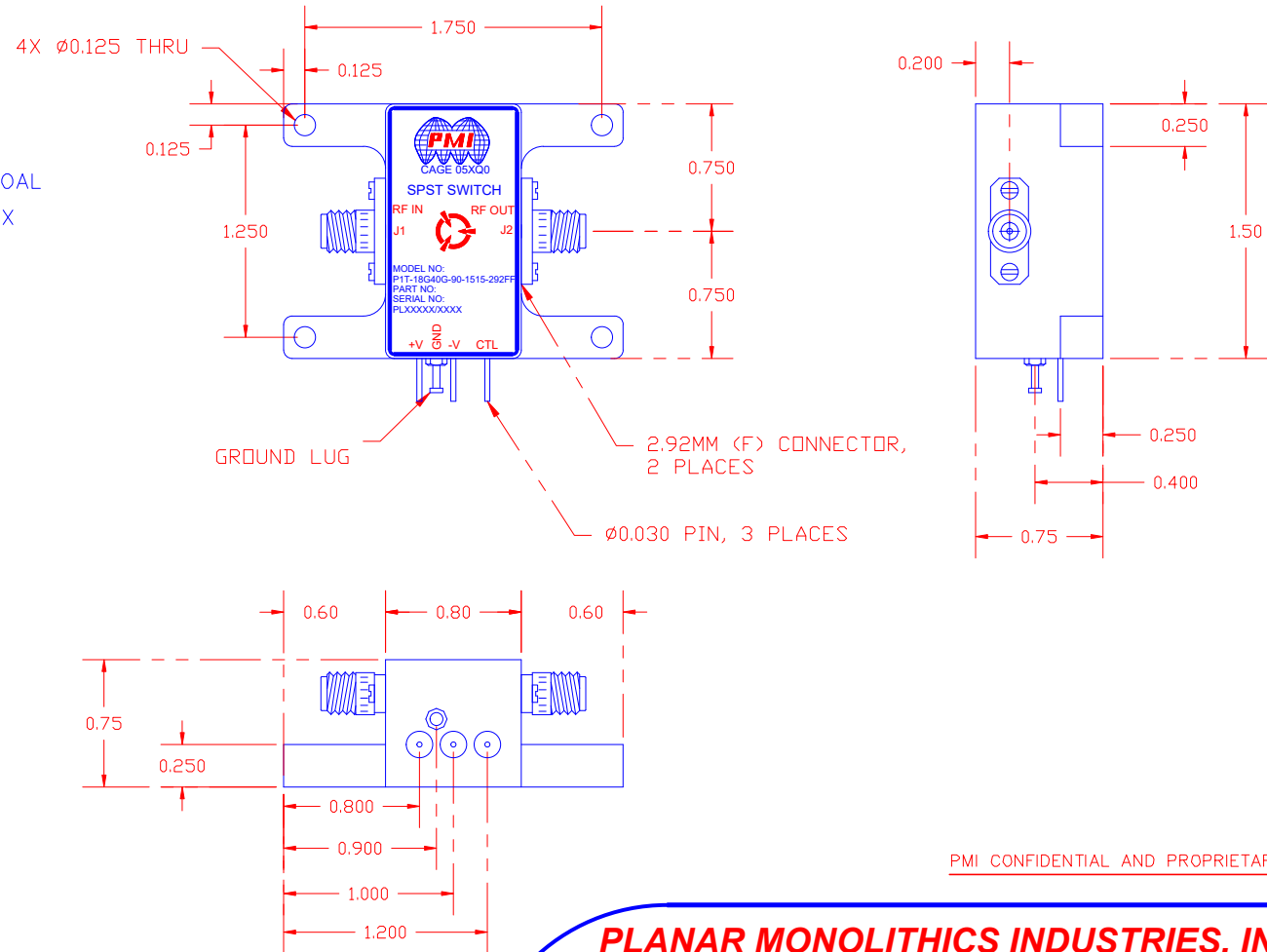
DESCRIPTION

PMI MODEL P1T-18G40G-90-1515-292FF IS AN ABSORPTIVE, HIGH SPEED, SINGLE POLE SINGLE THROW SWITCH CAPABLE OF SWITCHING WITHIN 15 TO 25 ns. THE FREQUENCY RANGE IS 18 TO 40 GHz. THIS SWITCH HAS > 90 dB ISOLATION.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/22/10	
	B1	CHANGED SIZE	3/17/10	
	B2	ECN # 13-0041	5/09/13	
	B3	ECN # 13-0111	08/11/13	

SPECIFICATIONS

- FREQUENCY RANGE: 18 TO 40 GHz
- ISOLATION: 90 dB MIN
- INSERTION LOSS: 5.0 dB MAX
- VSWR IN / OUT: 2:1 MAX, 1.5:1 GOAL
- INPUT POWER: +23 dBm CW MAX
- RF SWITCHING SPEED: 25 ns MAX
(10% TO 90% RF) 15 ns GOAL
- DC VOLTAGE: ±15 V @ 100mA
- CONTROL SIGNAL: 0 VDC ON
+5 VDC OFF
- CONNECTORS IN/OUT: 2.92 mm (F)
- FINISH: Gold Plated



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.

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

APPROVALS		DATE	TITLE		
DRAWN <i>PJK</i>		3/17/10	PRODUCT FEATURE P1T-18G40G-90-1515-292FF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27012221
ISSUED					REV. B3
SCALE N: S				SHEET 1 OF 1	