

DESCRIPTION:

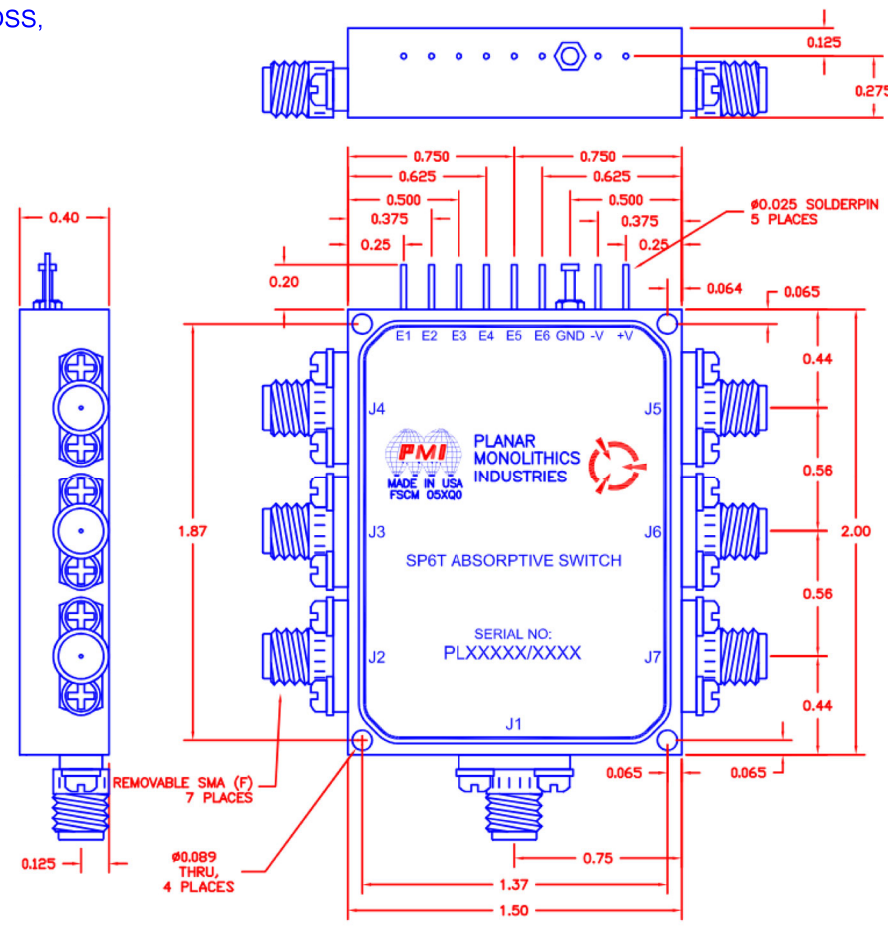
PMI MODEL NUMBER P6T-0R5G40G-60-T-1212-292FF IS A SINGLE POLE, SIX THROW ABSORPTIVE SWITCH DESIGNED TO OPERATE OVER THE 0.5 GHz TO 40 GHz FREQUENCY RANGE. THIS MODEL IS DESIGNED TO MAINTAIN LOW INSERTION LOSS, HIGH ISOLATION, AND FAST SWITCHING SPEED.

SPECIFICATIONS:

- **FREQUENCY:** 0.5 GHz TO 40 GHz
- **INSERTION LOSS:** 6.5 dB MAXIMUM
- **ISOLATION:** 60 dB MINIMUM
- **VSWR:** 2.0:1 MAXIMUM
- **SPEED:** 50 ns MAXIMUM
- **INPUT POWER:** 23 dBm CW MAXIMUM (OPERATING)
- **CONTROL:** 6 LINE TTL LOGIC
 LOGIC 0 (LOW) = INSERTION LOSS
 LOGIC 1 (HIGH) = ISOLATION
- **POWER SUPPLY:** +12 VDC @ 300 mA MAXIMUM
 -12 VDC @ 100 mA MAXIMUM
- **RF CONNECTORS:** 2.92 mm (F) Removable
- **FINISH:** PAINTED BLUE

	E1	E2	E3	E4	E5	E6
J1-J2	0	1	1	1	1	1
J1-J3	1	0	1	1	1	1
J1-J4	1	1	0	1	1	1
J1-J5	1	1	1	0	1	1
J1-J6	1	1	1	1	0	1
J1-J7	1	1	1	1	1	0
ALL OFF	1	1	1	1	1	1

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	06/03/25	



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- **TEMPERATURE:** -40°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. B

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
 WEIGHT: 2.75 oz.

PLANAR MONOLITHICS INDUSTRIES, INC.

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APPROVALS		DATE	TITLE		
DRAWN AG		06/03/25	PRODUCT FEATURE		
CHECKED			P6T-0R5G40G-60-T-1212-292FF		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
			SCALE N:S	SHEET 1 OF 1	