

DESCRIPTION:

PMI MODEL P1T-7G10G-70-T-SFF IS A 7 TO 10 GHz, ABSORPTIVE, SPST SWITCH FEATURING 1.8 dB INSERTION LOSS, 10 ns RISE/FALL TIME, AND 70 dB ISOLATION.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/13/2026	

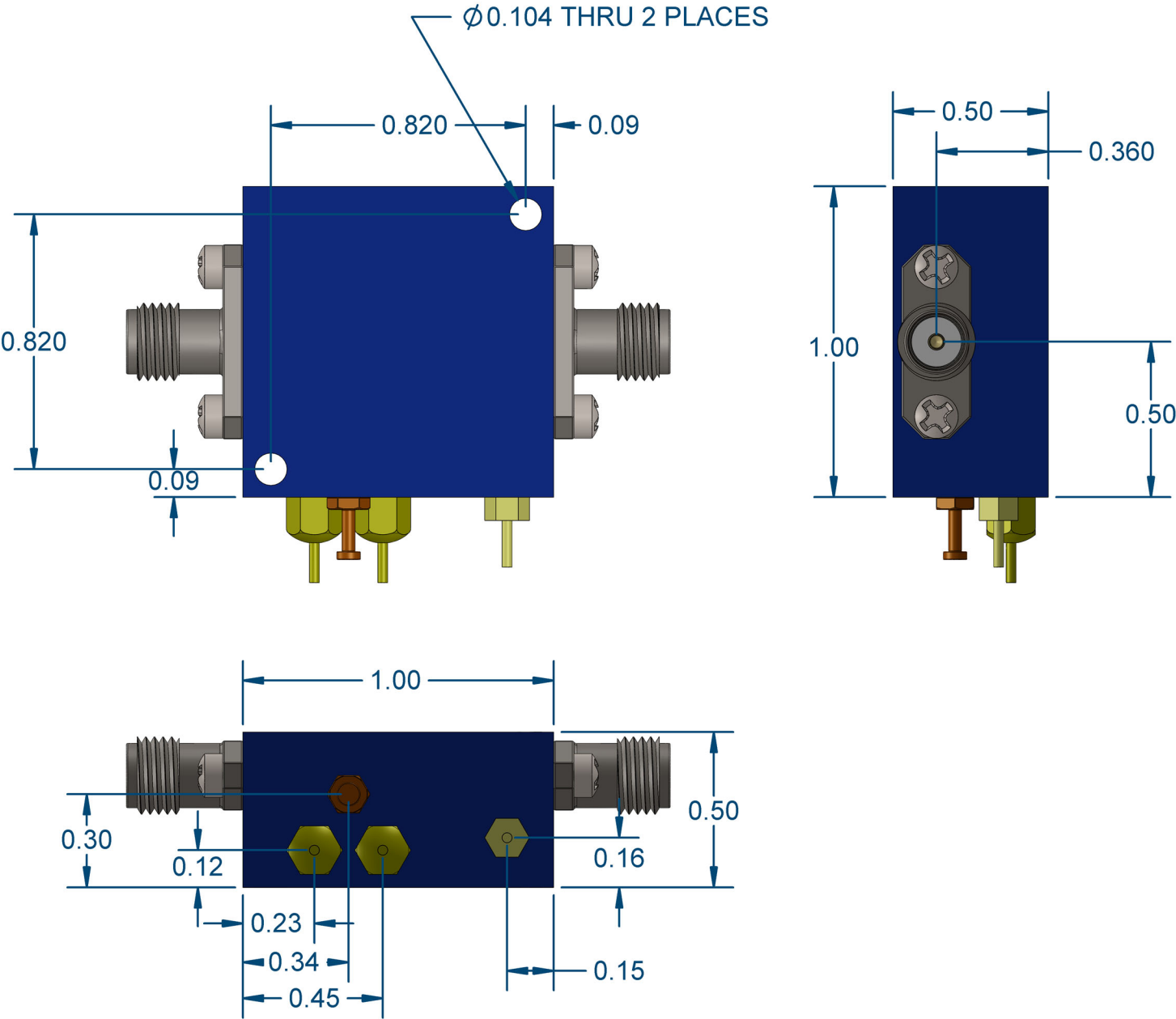
SPECIFICATIONS:

- FREQUENCY RANGE: 7.0 TO 10.0 GHz
- INSERTION LOSS:
 - 7.0 - 8.0 GHz 1.4 dB MAX
 - 8.0 - 10.0 GHz 1.8 dB MAX
- ISOLATION:
 - 7.0 - 8.0 GHz 70 dB MIN
 - 8.0 - 10.0 GHz 70 dB MIN
- VSWR:
 - 7.0 - 8.0 GHz 1.6:1 MAX
 - 8.0 - 10.0 GHz 1.9:1 MAX
- SPEED:
 - RISE TIME: 10 ns MAX
 - FALL TIME: 10 ns MAX
 - DELAY ON: 70 ns MAX
 - DELAY OFF: 70 ns MAX
- VIDEO TRANSIENTS : 5 mV PEAK TO PEAK MAX @ 20 MHz BW
- DC POWER SUPPLY : +19 VDC @ 100 mA MAX
-19 VDC @ 45 mA MAX
- CONTROL: TTL LOGIC "0" = ON "1" = OFF
- WEIGHT: 1.5 oz. TYP
- RF CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE: 0°C TO +50°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- VIBRATION: MIL-STD-202, METHOD 204 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



PMI CONFIDENTIAL AND PROPRIETARY

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			APPROVALS	DATE	TITLE PRELIMINARY OUTLINE P1T-7G10G-70-T-SFF			
DRAWN	AG	8/13/26						
REDRAWN								
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			ISSUED		SIZE	FSCM NO.	DWG NO.	REV.
					B	05XQ0	PRELIMINARY	
					SCALE 2:1			SHEET 1 OF 1