

DESCRIPTION:

PMI MODEL P3T-100M40G-60-R-55-292FF IS A REFLECTIVE, SINGLE POLE, THREE THROW PIN DIODE SWITCH THAT OPERATES OVER THE 0.1 GHz TO 40 GHz FREQUENCY RANGE. THIS MODEL INCORPORATES A TTL COMPATIBLE DRIVER FOR EASY SYSTEM INTEGRATION.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.1 GHz TO 40 GHz
- ISOLATION:..... 55 dB MIN
- INSERTION LOSS:..... 5.5 dB TYP
- VSWR IN/OUT:..... 2.5:1 TYP
- INPUT POWER:..... +20 dBm CW TYP
- SURVIVAL POWER:..... 1W PEAK 1 us PULSE WIDTH
- RF SWITCHING SPEED:..... RISE: 15 ns TYP
FALL: 15 ns TYP
DELAY ON: 50 ns TYP
DELAY OFF: 50 ns TYP
- DC VOLTAGE:..... +5 V @ 200 mA TYP
-5 V @ 100 mA TYP
- CONTROL SIGNAL:..... TTL LOGIC
SEE LOGIC TABLE
- CONNECTORS IN/OUT:..... 2.92 mm FEMALE CONNECTORS
- CONTROL CONNECTORS:..... SOLDER PINS
- SIZE:..... 1.0" X 1.0" X 0.5"
- FINISH:..... GOLD PLATED

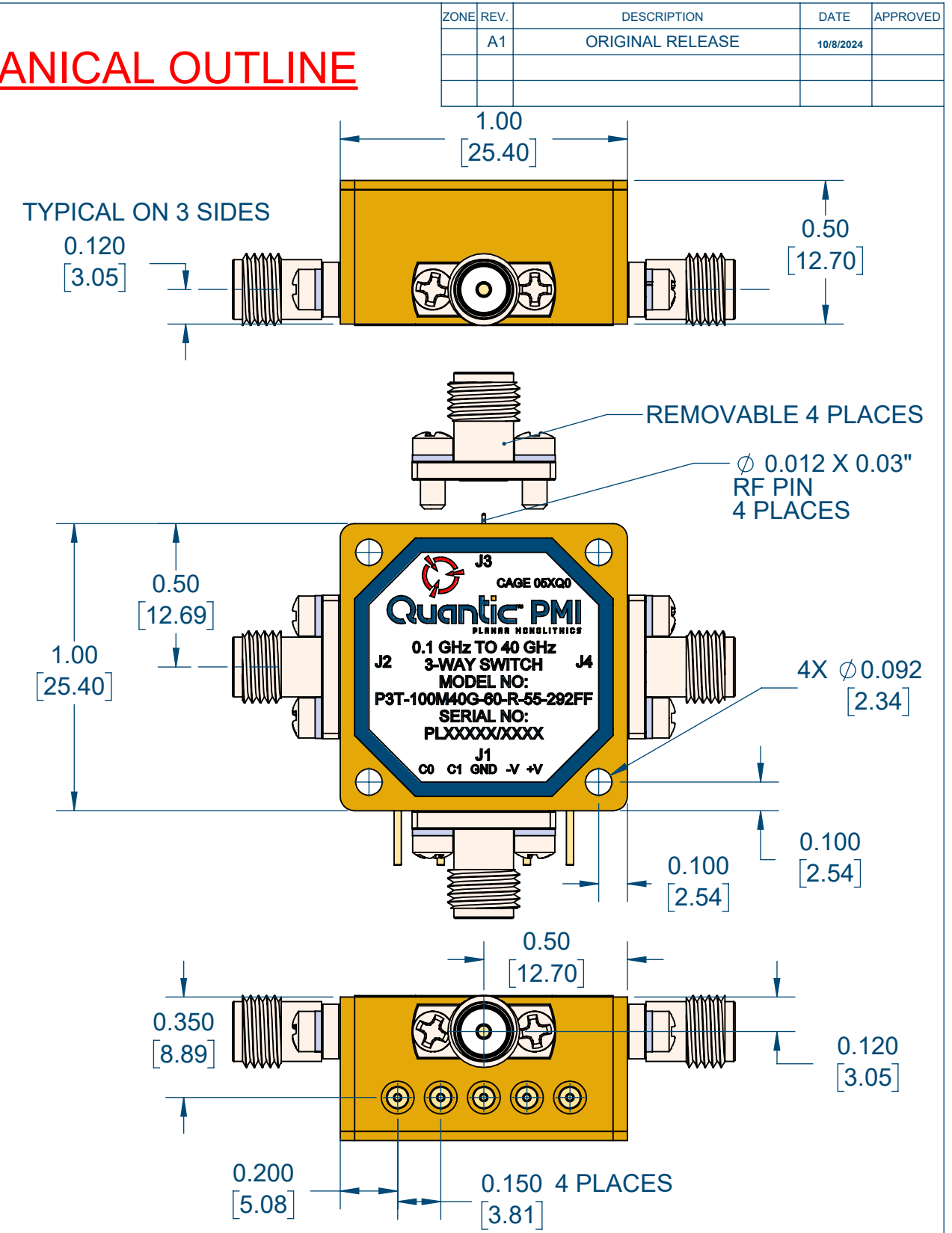
ENVIRONMENTAL RATINGS:

- 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

CTL 1	CTL 0	J1-J2	J1-J3	J1-J4
0	0	ON	OFF	OFF
0	1	OFF	ON	OFF
1	0	OFF	OFF	ON
1	1	OFF	OFF	OFF

MECHANICAL OUTLINE



ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/8/2024	

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.010 ± .XXX ± 0.005		PART NO.		 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 862-5019 FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED	
MATERIAL:		APPROVALS	DATE	TITLE	
FINISH:		DRAWN	10/8/2024	OUTLINE	
NEXT ASSY		REDRAWN		P3T-100M40G-60-R-55-292FF	
USED ON		ISSUED		SIZE	FSCM NO.
APPLICATION				B	05XQ0
				DWG NO.	REV.
				27049920	A1
				SCALE 2:1	SHEET 1 OF 1