

DESCRIPTION:

PMI MODEL P9T-500M18G-60-R-SFF IS A HIGH SPEED, SINGLE POLE, NINE THROW REFLECTIVE SWITCH CAPABLE OF SWITCHING WITHIN 100ns. THE FREQUENCY RANGE IS 0.5 TO 18.0 GHz.

SPECIFICATIONS:

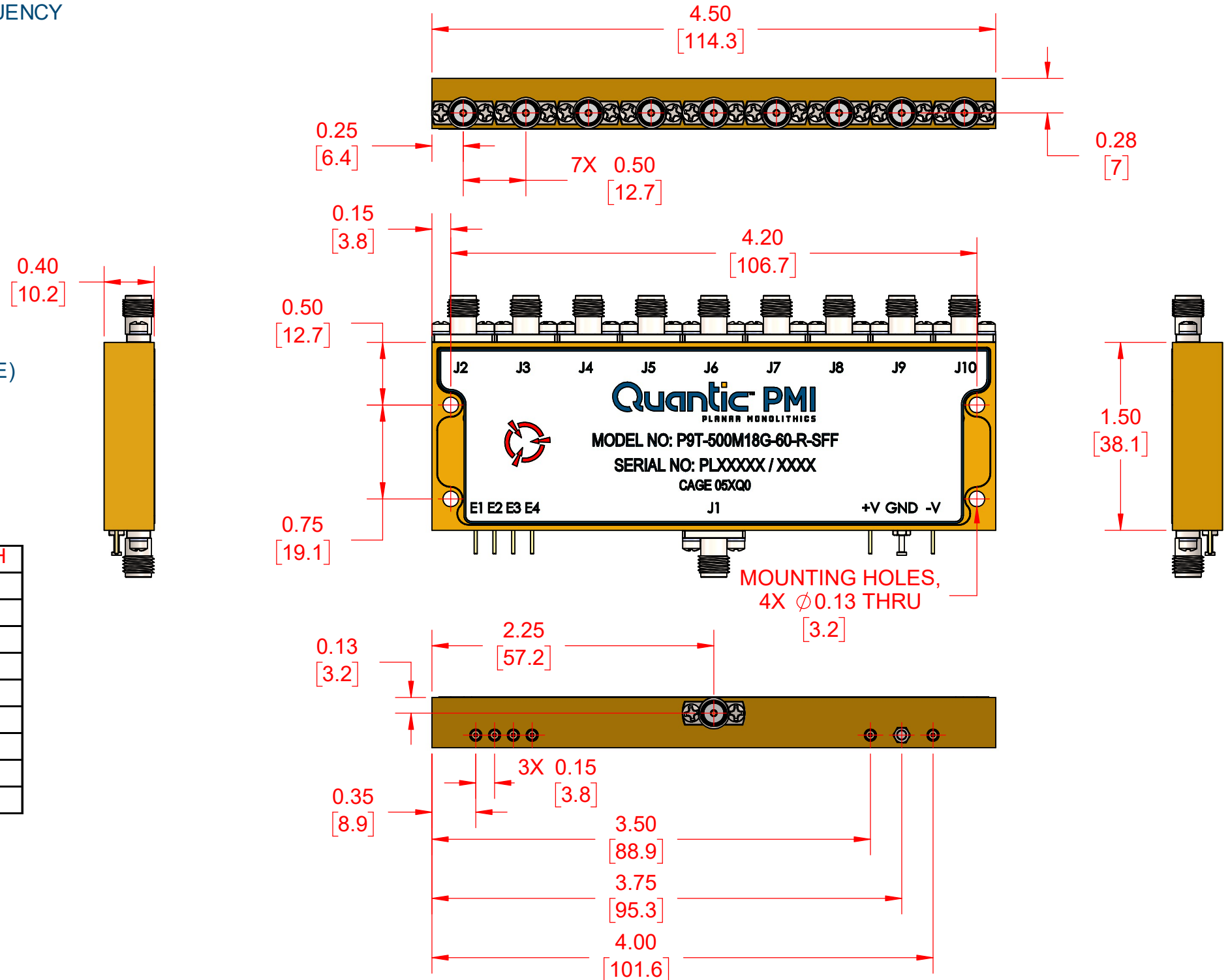
- FREQUENCY RANGE:..... 0.5 TO 18.0 GHz
- ISOLATION:..... 60 dB MIN
- INSERTION LOSS:..... 6.5 dB MAX
- VSWR (IN/OUT):..... 2.0:1 MAX
- OPERATING INPUT POWER:..... +25 dBm CW
- SWITCHING SPEED:..... 100 ns MAX
- DC VOLTAGE AND CURRENT :..... +5VDC @ 300 mA MAX
 -12 TO -15VDC @ 50 mA MAX
- CONTROL SIGNAL:..... 4 LINE DECODED TTL (SEE TABLE)
- CONNECTORS:..... SMA (F)
- FINISH:..... GOLD PLATED
- SIZE:..... 4.5" X 1.5" X 0.4"

E1	E2	E3	E4	LOW LOSS PATH
0	0	0	1	J1 TO J2
0	0	1	0	J1 TO J3
0	0	1	1	J1 TO J4
0	1	0	0	J1 TO J5
0	1	0	1	J1 TO J6
0	1	1	0	J1 TO J7
0	1	1	1	J1 TO J8
1	0	0	0	J1 TO J9
1	0	0	1	J1 TO J10

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -54°C TO +85°C (OPERATING)
 -65°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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	4/25/2023	



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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.		Quantic PMI PLANAR MONOLITHICS	
FRACTIONS	DECIMALS	APPROVALS	DATE	7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED	
±	.XX ± 0.010 .XXX ± 0.005	S AZHAR	4/25/2023	TITLE OUTLINE	
MATERIAL:		DRAWN		SIZE	FSCM NO.
FINISH:		REDRAWN		B	05XQ0
NEXT ASSY	USED ON	ISSUED		DWG NO.	27045880
APPLICATION				SCALE	1:1
					REV. A1
					SHEET 1 OF 1