

DESCRIPTION:

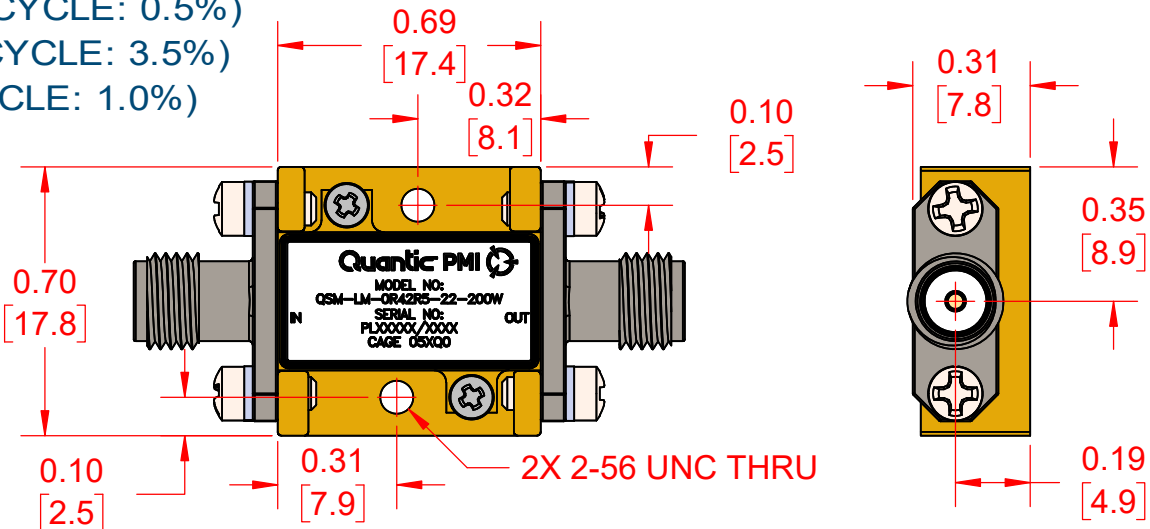
PMI MODEL NUMBER QSM-LM-0R42R5-22-200W IS A 0.4 GHz TO 2.5 GHz LIMITER. THIS LIMITER IS SUPPLIED IN A HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR SURFACE MOUNT COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/12/2023	
	A2	ECN # 24-0054	3/1/2024	
	B1	ECN # 25-0014	1/21/2025	

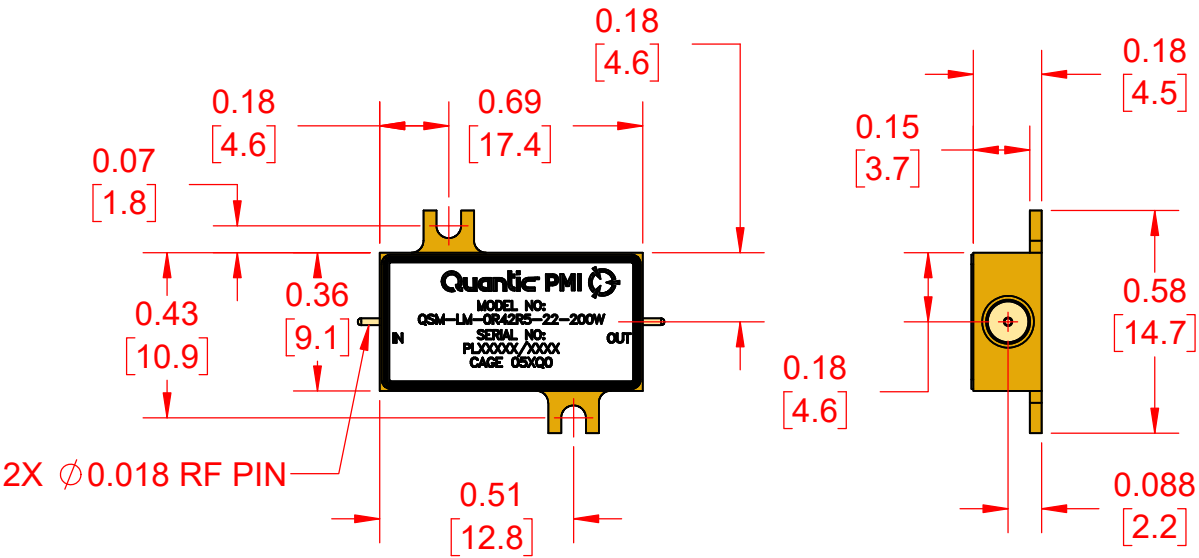
SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.4 TO 2.5 GHz
- VSWR (INPUT/OUTPUT):..... 1.2 : 1 MAX
- INSERTION LOSS:..... 0.6 dB MAX
- INPUT POWER (PEAK):..... 100 kHz-400 MHz: 42 dBm MAX (PULSE WIDTH: 23 us, DUTY CYCLE: 0.5%)
400 MHz-4 GHz: 53 dBm MAX (PULSE WIDTH: 130 us, DUTY CYCLE: 3.5%)
4 GHz-40 GHz: 45 dBm MAX (PULSE WIDTH: 2.6 us, DUTY CYCLE: 1.0%)
- INPUT POWER (CW):..... 40 dBm MAX
- FLAT LEAKAGE:..... 22 dBm MAX
- SPIKE LEAKAGE:..... 0.5 ergs MAX
- P1dB:..... 7 dBm MIN
- RECOVERY TIME:..... TO 1 dB INSERTION LOSS WITHIN 1000 ns OF 50% OF THE FALLING EDGE OF RF PULSE
- CONNECTORS:..... SMA FEMALE
- FINISH:..... GOLD PLATED

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS:

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

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

<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01</div>					<div>Quantic PMI PLANAR MONOLITHICS 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</div>							
			APPROVALS		DATE		TITLE OUTLINE QSM-LM-0R42R5-22-200W					
			DRAWN R. SIRK		9/12/2023							
			REDRAWN BW		1/21/2025							
			ISSUED		SIZE B		FSCM NO. 05XQ0		DWG NO. 27047220		REV. B1	
					SCALE 2:1						SHEET 1 OF 1	