

**DESCRIPTION:**

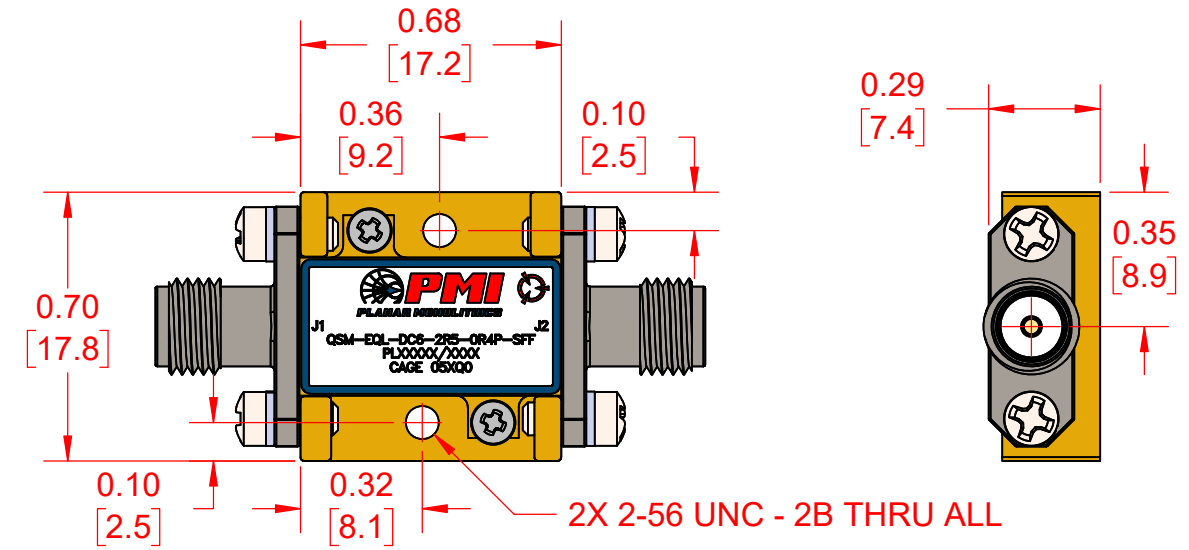
PMI MODEL NUMBER QSM-EQL-DC6-2R5-0R4P-SFF IS A DC TO 6 GHz EQUALIZER. THIS EQUALIZER IS SUPPLIED IN OUR STANDARD PEAFS3 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR SURFACE MOUNT COMPONENT.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/20/2025	

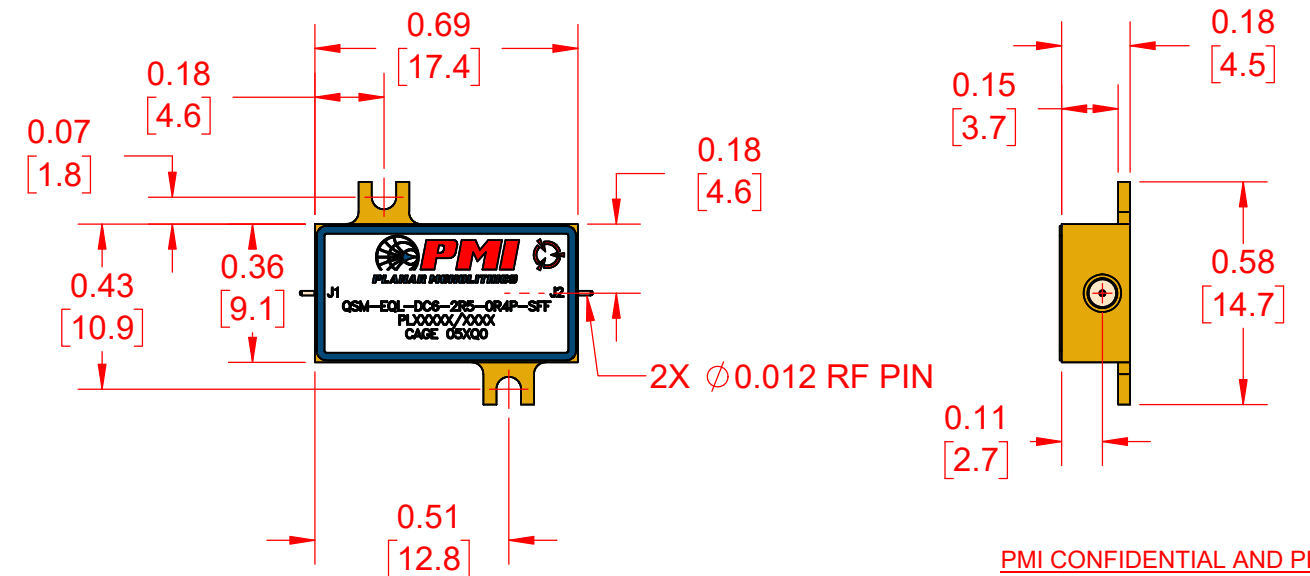
**SPECIFICATIONS:**

- FREQUENCY RANGE:..... DC TO 6.0 GHz
- INSERTION LOSS @ 6 GHz:..... 1.5 dB MAX  
1.25 dB TYP
- NOMINAL SLOPE:..... 0.4 dB/GHz NOM
- SLOPE LINEARITY:..... ±0.5 dB MAX  
(FROM BEST FIT STRAIGHT LINE)
- VSWR:..... 2.0:1 MAX
- RF INPUT POWER:..... +30 dBm MAX
- CONNECTORS:..... SMA FEMALE CONNECTORS
- FINISH:..... GOLD PLATED

**HOUSING WITH CARRIER**



**HOUSING WITHOUT CARRIER (SURFACE MOUNT)**




**ENVIRONMENTAL RATINGS:**

- TEMPERATURE:..... -40°C TO +85°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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01		APPROVALS DRAWN R. SIRK REDRAWN ISSUED	DATE 10/20/2025	 <b>PLANAR MONOLITHICS</b> <small>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</small>		TITLE OUTLINE QSM-EQL-DC6-2R5-0R4P-SFF	SIZE B	FSCM NO. 05XQ0	DWG NO. 27053520	REV. A1
SCALE 2:1			SHEET 1 OF 1							