

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/21/2025	

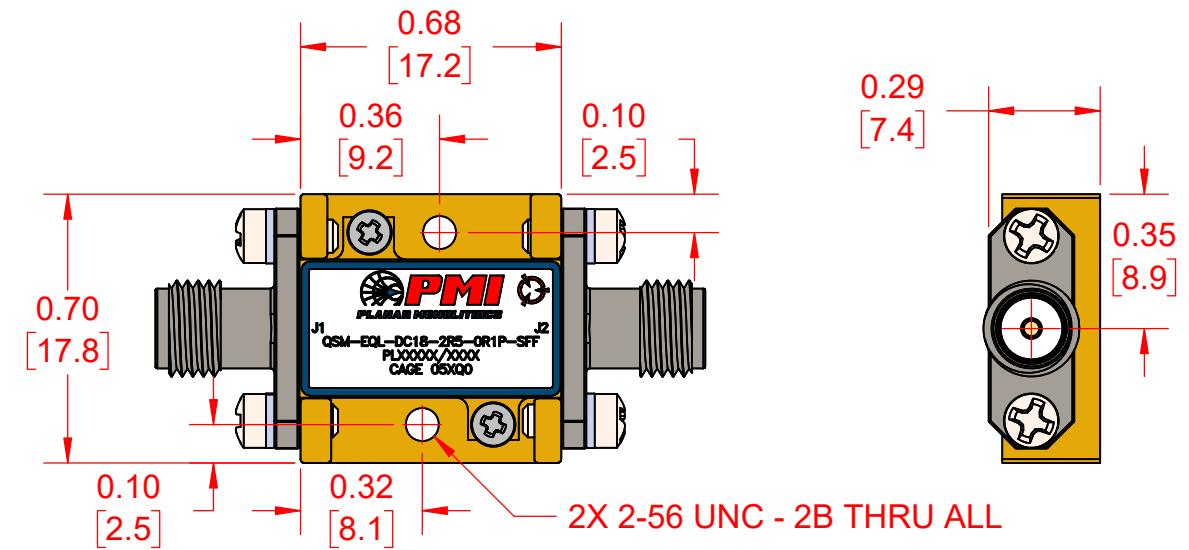
**DESCRIPTION:**

PMI MODEL NUMBER QSM-EQL-DC18-2R5-0R1P-SFF IS A DC TO 18 GHz EQUALIZER. THIS EQUALIZER IS SUPPLIED IN OUR STANDARD PEAFS3 HOUSING THAT CAN BE USED AS A SMA CONNECTORIZED OR SURFACE MOUNT COMPONENT.

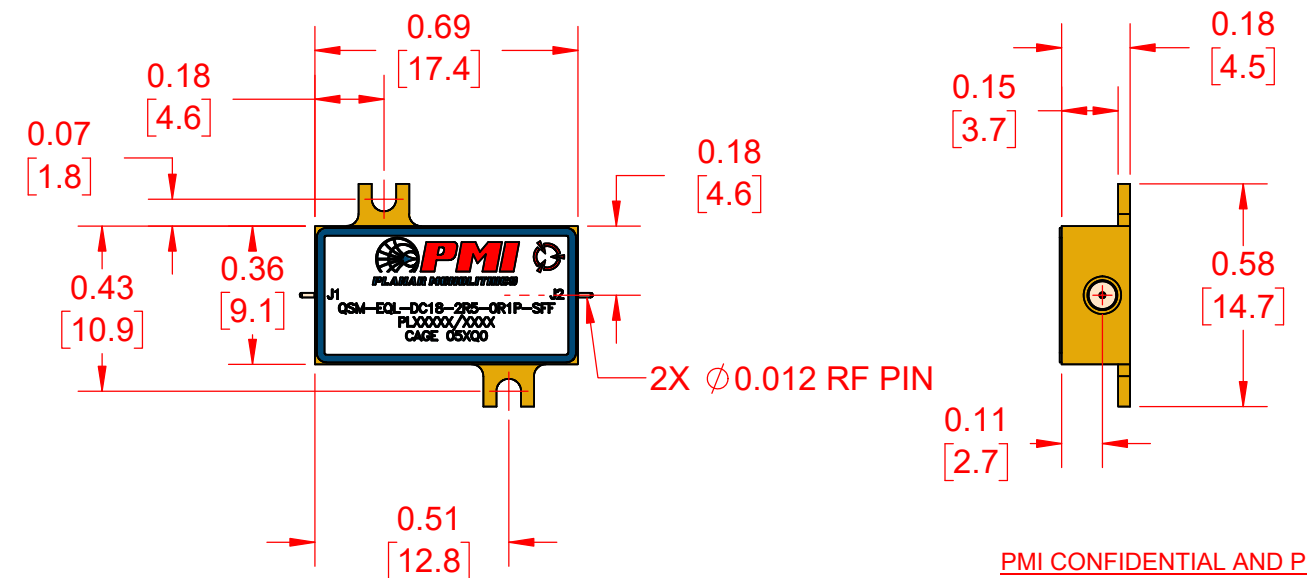
**SPECIFICATIONS:**

- FREQUENCY RANGE:..... DC TO 18 GHz
- INSERTION LOSS @ 18 GHz:..... 1 dB MAX  
0.75 dB TYP
- NOMINAL SLOPE:..... 0.1 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. A
- 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

APPROVALS DRAWN <b>R. SIRK</b> REDRAWN ISSUED		DATE		 <b>PLANAR MONOLITHICS</b> 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	
		10/21/2025			
TITLE <b>OUTLINE</b> QSM-EQL-DC18-2R5-0R1P-SFF				REV. A1	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		SIZE B	FSCM NO. 05XQ0	DWG NO. 27053580	SCALE 2:1
					SHEET 1 OF 1