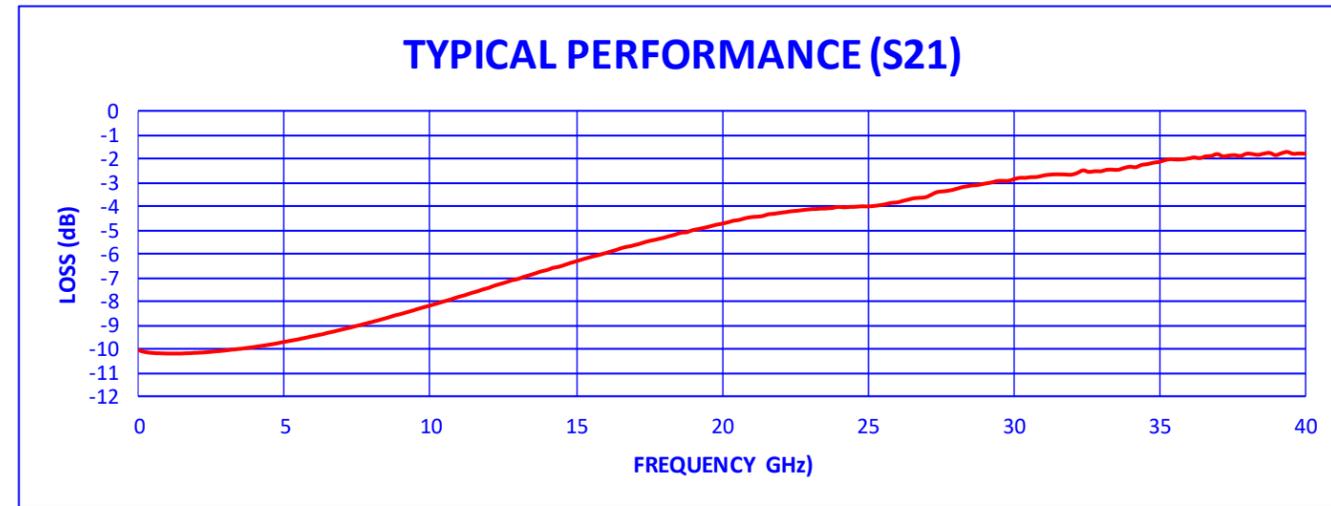


**DESCRIPTION:**

EQL-DC40-10-292MF IS A DC TO 40 GHz PASSIVE EQUALIZER WITH A 12 dB MAX LOSS AT 10MHz WITH A INSERTION LOSS OF 2.5 dB MAX AT 40 GHz. THE EQUALIZER DESIGN ALLOWS BOTH FORWARD AND REVERSE MEASUREMENT TO BE EQUIVALENT.

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... DC TO 40 GHz
- INSERTION LOSS:..... 12.0 dB @10MHz - 2 GHz MAX  
2.5 dB @ 38 - 40 GHz MAX
- INPUT POWER: ..... +30 dBm (1W) MAX
- VSWR:..... 1.6:1 TYP.  
1.8:1 MAX
- SLOPE:..... 0.25 ± 0.06 dB/GHz MAX
- AMPLITUDE ACCURACY:..... ± 2 dB MAX (COMPARED TO BEST FIT STRAIGHT LINE)
- WEIGHT:..... 10g MAX
- CONNECTORS:..... 2.92mm MALE/FEMALE REMOVABLE
- FINISH:..... GOLD PLATED



**ENVIRONMENTAL RATINGS:**

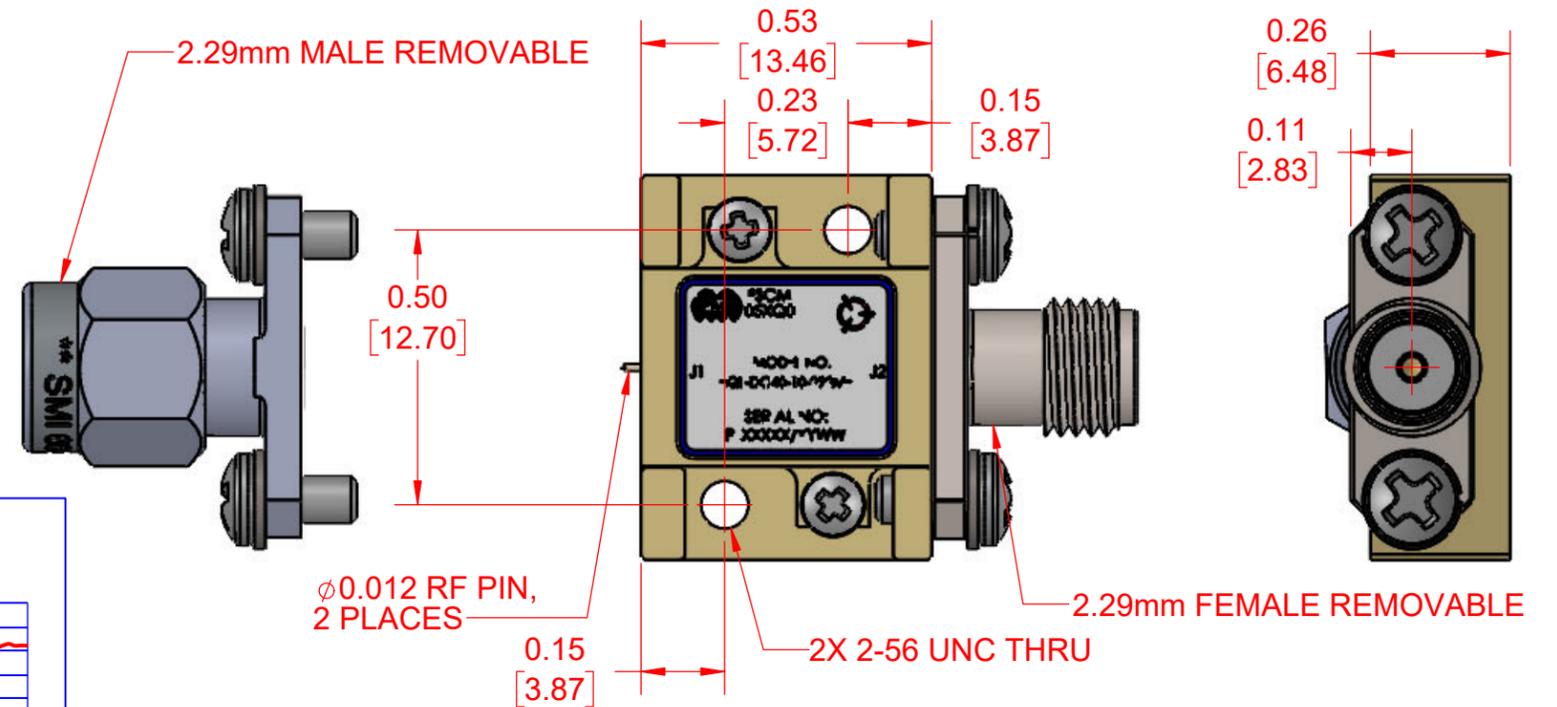
- TEMPERATURE:..... -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

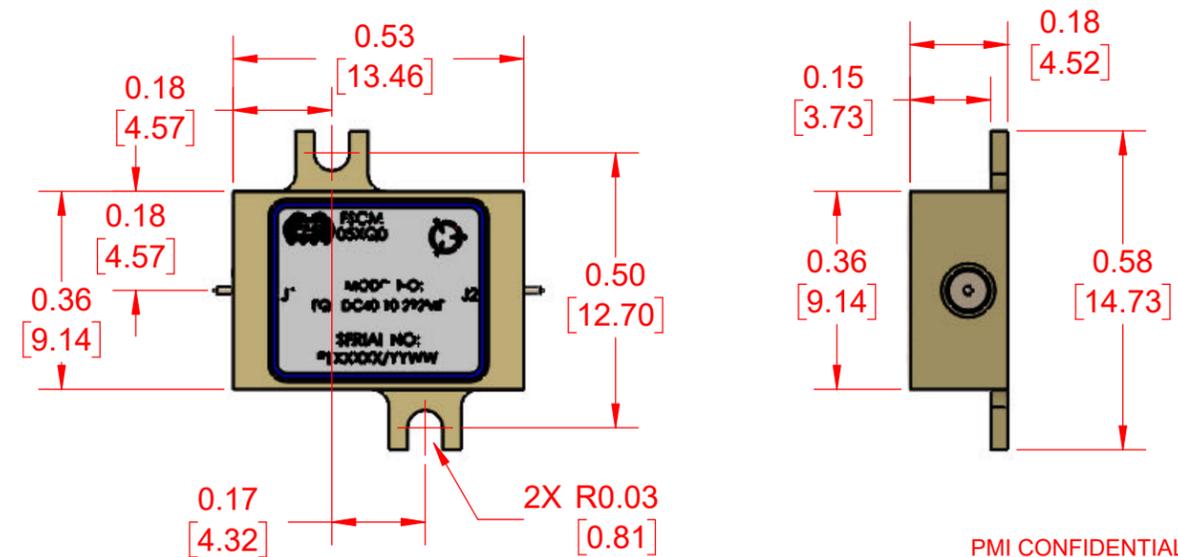
NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**HOUSING WITH CARRIER**

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/21/2022	
	B1	ECN # 22-0154	11/28/2022	
	C1	ECN # 25-0015	1/22/25	



**HOUSING WITHOUT CARRIER (SURFACE MOUNT)**



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN: S AZHAR REDRAWN: ISSUED:		DATE: 7/21/2022	TITLE: OUTLINE EQL-DC40-10-292MF		REV. C1
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.: 27044560	SCALE: 4:1
QUANTIC PMI PLANNED MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.PMI-RF.COM, EMAIL: SALES@PMI-RF.COM ISO 9001 CERTIFIED			SHEET 1 OF 1		