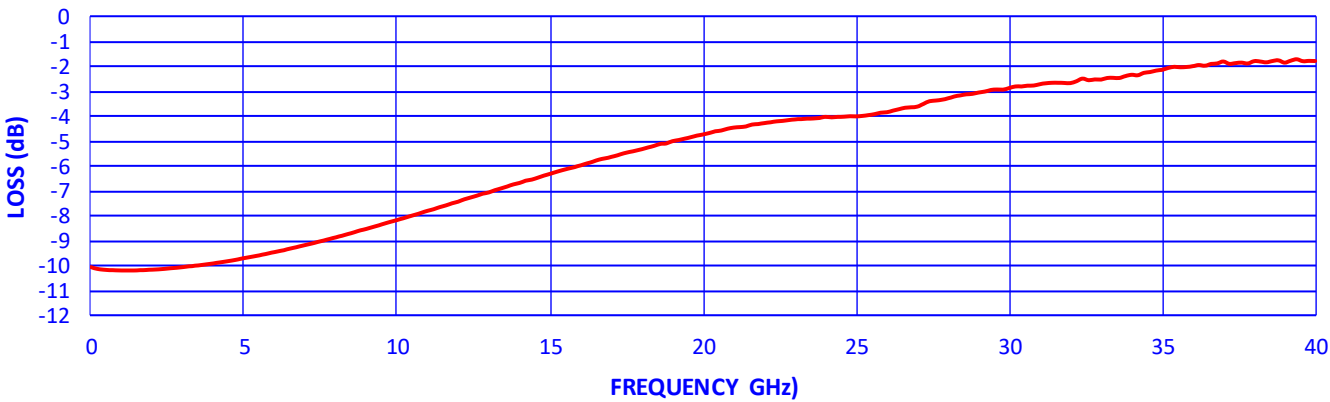


DESCRIPTION:
EQL-DC40-10-292MF IS A DC TO 40 GHz PASSIVE EQUALIZER WITH A 12 dB MAX. LOSS AT 10MHz WITH A INSERTION LOSS OF 2.5 dB MAX. AT 40 GHz. THE EQUALIZER DESIGN ALLOWS BOTH FORWARD AND REVERSE MEASUREMENT TO BE EQUIVALENT.

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

TYPICAL PERFORMANCE (S21)



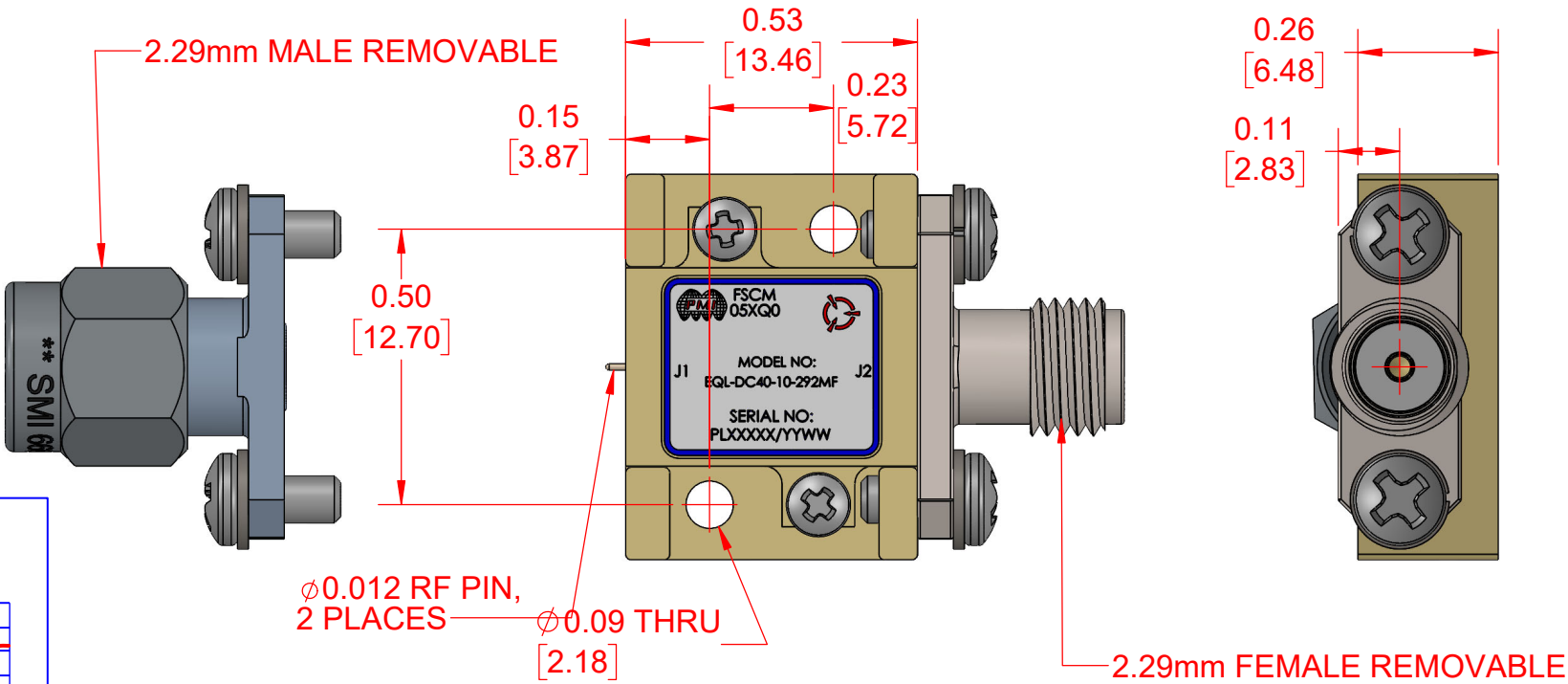
ENVIRONMENTAL RATINGS:

- 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

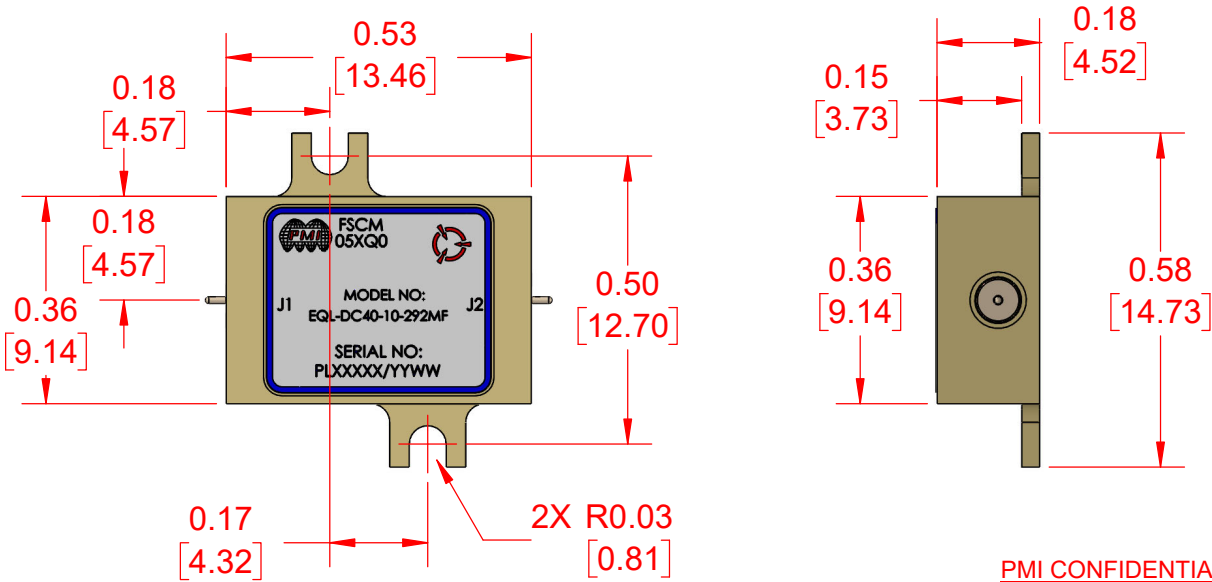
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION
SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

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NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

HOUSING WITH CARRIER



HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01</div>					<div>Quantic PMI</div> <div>PLANAR MONOLITHICS</div> <div>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</div>							
			APPROVALS		DATE		TITLE OUTLINE EQL-DC40-10-292MF					
			DRAWN S AZHAR		7/21/2022							
			REDRAWN				SIZE B			FSCM NO. 05XQ0		DWG NO. 27044560
			ISSUED				SCALE 4:1			SHEET 1 OF 1		