

DESCRIPTION:

EQL-DC40-20-292FF IS A DC TO 40 GHz PASSIVE EQUALIZER WITH A 21 dB MAX LOSS AT 10MHz WITH A INSERTION LOSS OF 3.5 dB MAX. AT 40 GHz. THE EQUALIZER DESIGN ALLOWS BOTH FORWARD AND REVERSE MEASUREMENT TO BE EQUIVALENT.

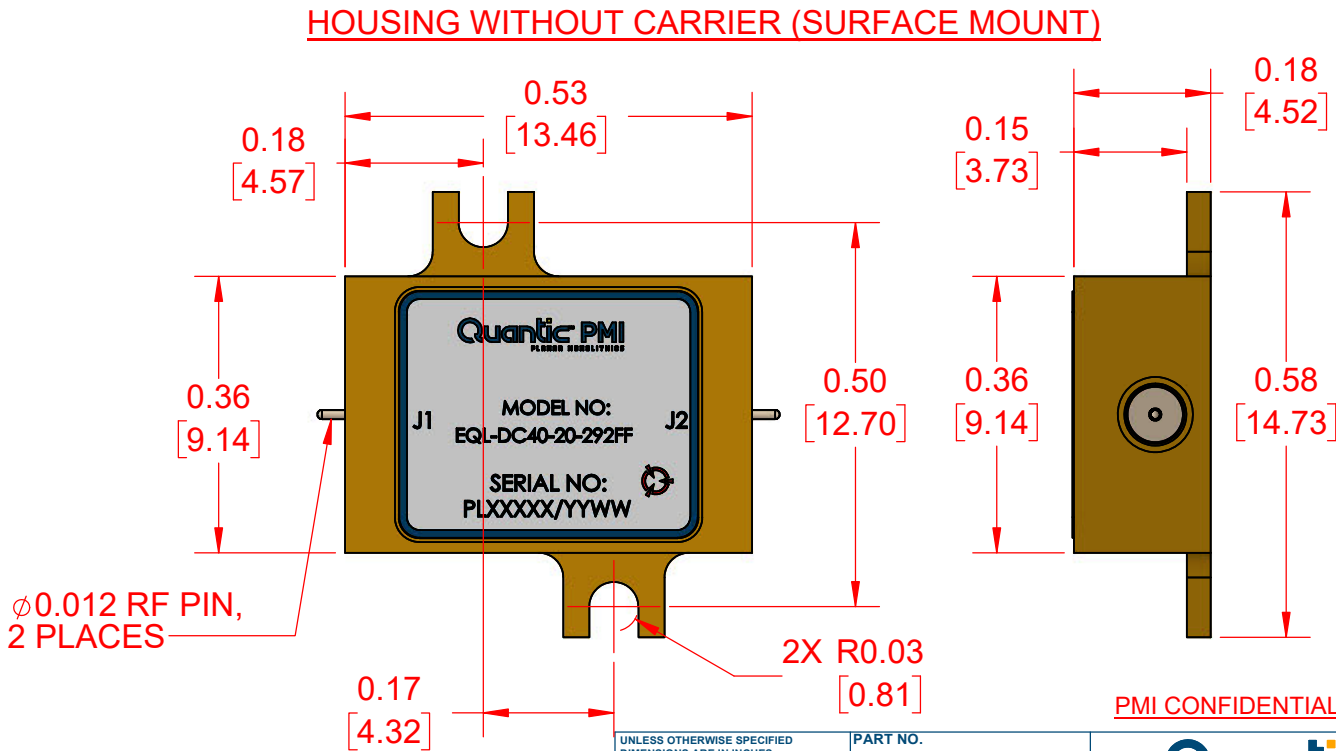
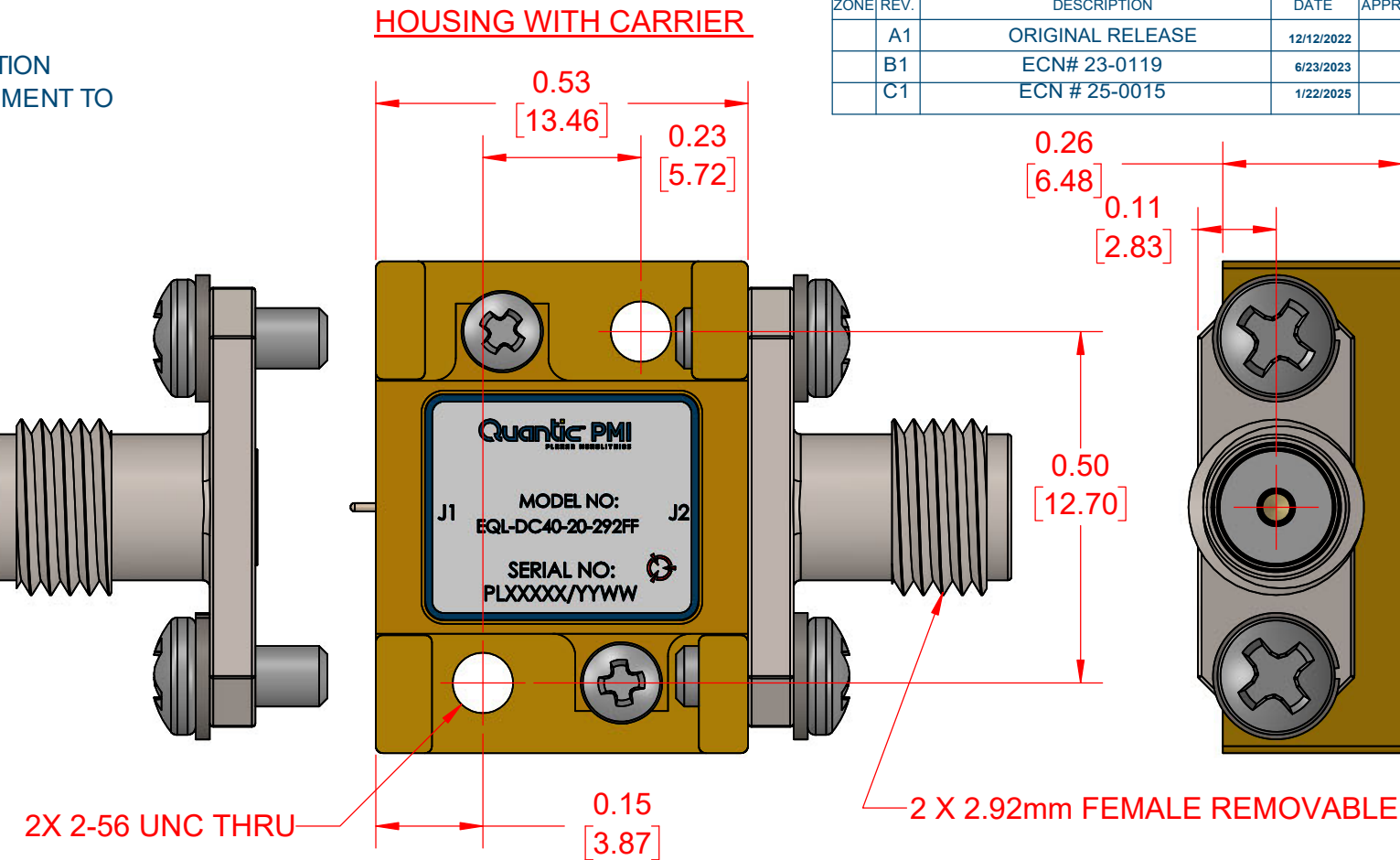
SPECIFICATIONS:

- FREQUENCY RANGE:..... 10 MHz TO 40 GHz
- INSERTION LOSS:..... 20.0 dB TYP , 21.0 dB MAX @ 10MHz - 2GHz
3.5 dB @ 38 - 40GHz MAX
- INPUT POWER: +30 dBm MAX
- VSWR:..... 1.6:1 TYP
1.8:1 MAX
- SLOPE:..... 0.5 ± 0.08 dB/GHz MAX
- AMPLITUDE ACCURACY:..... ± 3.0 dB MAX (COMPARED TO BEST FIT STRAIGHT LINE)
- WEIGHT:..... 10g MAX
- CONNECTORS:..... 2.92mm 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



ZONE		REV.	DESCRIPTION	DATE	APPROVED
		A1	ORIGINAL RELEASE	12/12/2022	
		B1	ECN# 23-0119	6/23/2023	
		C1	ECN # 25-0015	1/22/2025	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.010 ± XXX ± 0.005		PART NO.		PMI CONFIDENTIAL AND PROPRIETARY	
MATERIAL:		APPROVALS		DATE	
FINISH:		DRAWN		12/12/2022	
NEXT ASSY		REDRAWN		TITLE	
USED ON		ISSUED		OUTLINE	
APPLICATION		SIZE		EQL-DC40-20-292FF	
		B		FSCM NO. 05XQ0	
				DWG NO. 27045540	
				REV. C1	
				SCALE 4:1	
				SHEET 1 OF 1	