

DESCRIPTION:

PMI MODEL NUMBER IRMX-4G8G-55-35-SFF-HIGH IS A 4.0 GHz TO 8.0 GHz IMAGE-REJECT MIXER WITH THE IF BAND = LO-RF AND THE FOLLOWING SPECIFICATIONS:

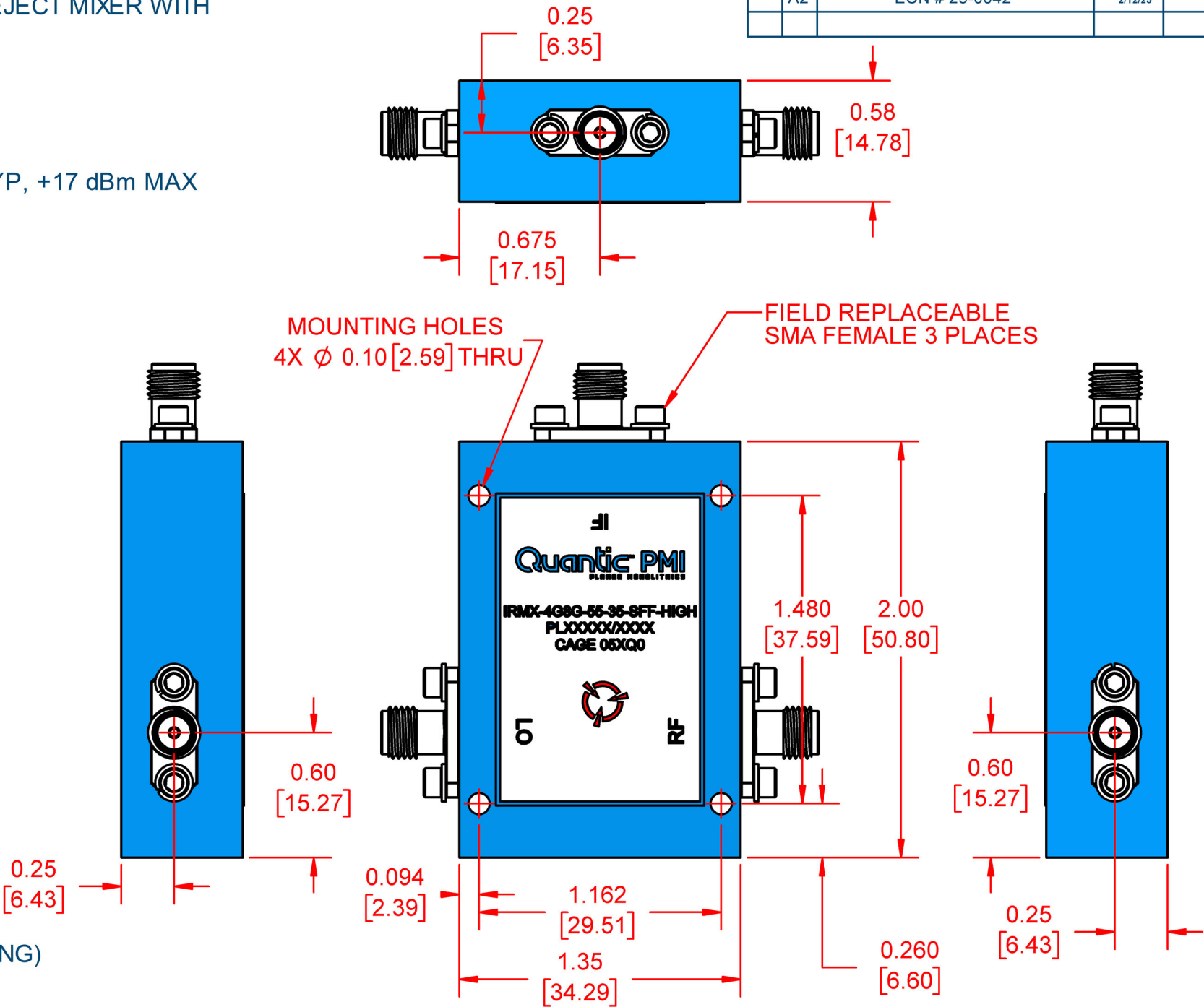
SPECIFICATIONS:

- LO & RF FREQUENCY RANGE:.....4.0 GHz TO 8.0 GHz
- LO POWER:.....+14 dBm MIN, +15 dBm TYP, +17 dBm MAX
- LO VSWR:.....1.4:1 TYP
- RF VSWR:.....2.0:1 TYP
- IF FREQUENCY RANGE:.....30 MHz TO 90 MHz
- IF OUTPUT IMPEDENCE:.....50 Ω NOM
- CONVERSION LOSS:.....7.5 dB TYP, 10.5 dB MAX
- NOISE FIGURE:.....8 dB TYP, 10.5 dB MAX
- INPUT IP3 (2 - TONE, Δf = 1 MHz):.....+24 dBm TYP
- INPUT P1dB:.....+14 dBm TYP
- LO-RF ISOLATION (NO RF INPUT):.....40 dB MIN, 55 dB TYP
- LO-IF ISOLATION (NO RF INPUT):.....55 dB TYP
- IMAGE REJECTION (OVER IF FREQUENCY BAND):...25 dB MIN, 35 dB TYP
- LO/RF INPUT POWER W/O DAMAGE:.....+23 dBm MAX
- CONNECTORS:.....SMA FEMALE
- FINISH:.....PAINTED BLUE

ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....-40°C TO +85°C (OPERATING)

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/19/2024	
	A2	ECN # 25-0042	2/12/25	



PMI CONFIDENTIAL AND PROPRIETARY

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

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			APPROVALS		DATE		TITLE OUTLINE IRMX-4G8G-55-35-SFF-HIGH				
			DRAWN V. PRATAP								
			REDRAWN				SIZE B FSCM NO. 05XQ0 DWG NO. 27050520 REV. A2				
ISSUED											
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01 ±				SCALE 2:1		SHEET 1 OF 1					