

DESCRIPTION:

PMI MODEL NUMBER IRMX-2G4G-55-35-SFF-HIGH IS A 2000 MHz TO 4000 MHz IMAGE-REJECT MIXER WITH THE IF BAND = LO-RF AND THE FOLLOWING SPECIFICATIONS:

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/19/2024	
	A2	ECN # 25-0042	2/11/2025	

SPECIFICATIONS:

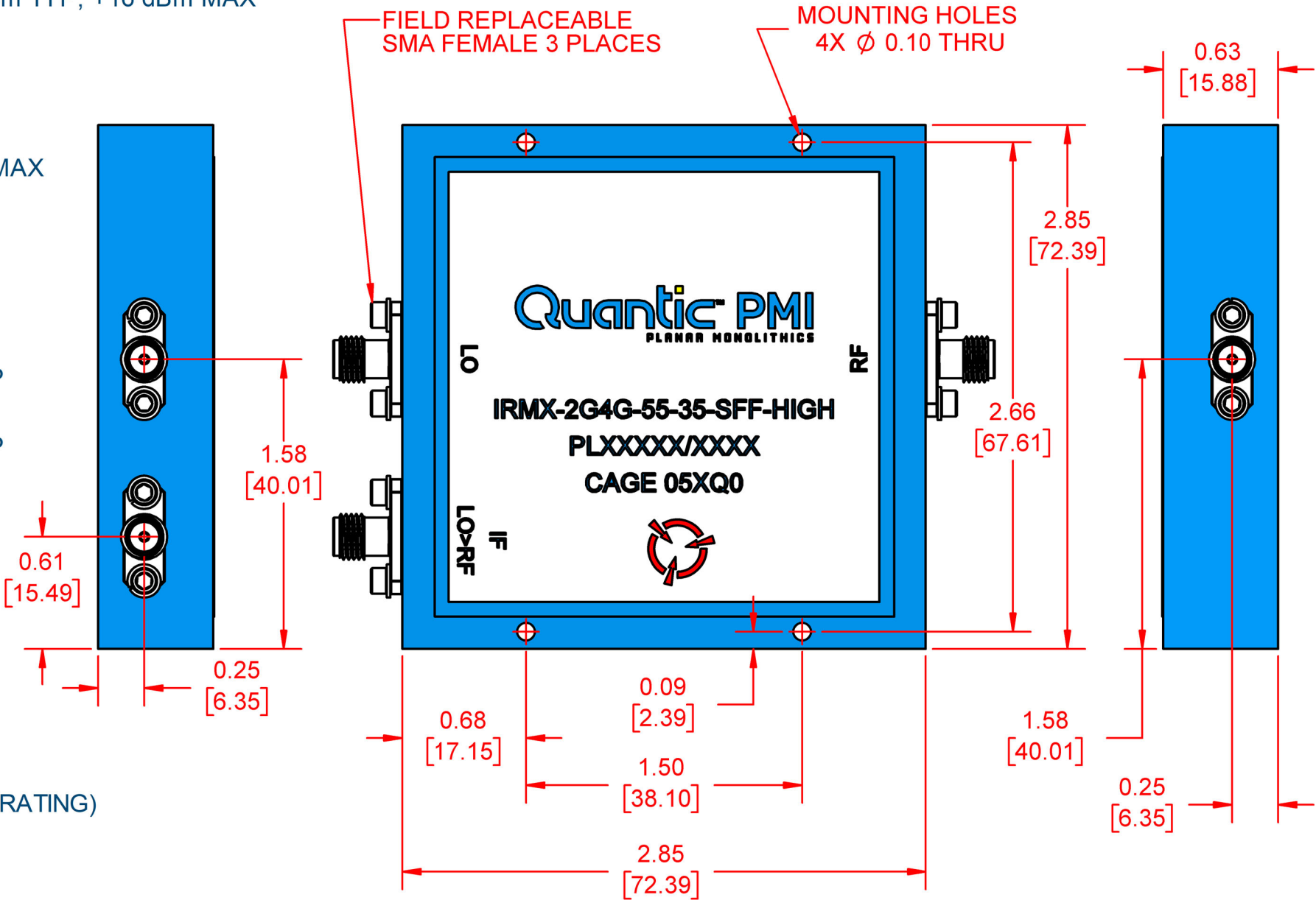
- LO & RF FREQUENCY RANGE:.....2000 TO 4000 MHz
- LO POWER:.....+13 dBm MIN, +15 dBm TYP, +16 dBm MAX
- LO VSWR:.....1.5:1 TYP
- RF VSWR:.....2.5:1 TYP
- IF FREQUENCY RANGE:.....30 MHz TO 90 MHz
- IF OUTPUT IMPEDENCE¹:.....50 Ω NOM
- CONVERSION LOSS¹:.....9.5 dB TYP, 11.5 dB MAX
- NOISE FIGURE¹:.....10 dB TYP
- INPUT IP2¹:.....+64 dBm TYP
- INPUT IP3¹:.....+17 dBm TYP
- (2-TONE, Δf = 1 MHz)
- INPUT P1dB¹:.....+6 dBm TYP
- LO-RF ISOLATION (NO IF INPUT):.....45 dB MIN, 55 dB TYP
- LO-IF ISOLATION (NO IF INPUT):.....45 dB TYP
- IMAGE REJECTION¹:.....20 dB MIN, 35 dB TYP
- RF/IF INPUT POWER W/O DAMAGE:.....+25 dBm MAX
- CONNECTORS:.....SMA FEMALE
- FINISH:.....PAINTED BLUE

NOTES:

1. SPECIFIED OVER ENTIRE IF FREQUENCY BAND.

ENVIRONMENTAL RATINGS:

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



PMI CONFIDENTIAL AND PROPRIETARY

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

			Quantic PMI PLANNED MONOLITHICS 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														
			APPROVALS		DATE		TITLE										
			DRAWN V. PRATAP		12/19/2024												
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: <table><tr><td>FRACTIONS</td><td>DECIMALS</td><td>ANGLES</td></tr><tr><td>±</td><td>.XX ± 0.02</td><td>±</td></tr><tr><td></td><td>.XXX ± 0.01</td><td></td></tr></table>			FRACTIONS	DECIMALS	ANGLES	±	.XX ± 0.02	±		.XXX ± 0.01		REDRAWN		OUTLINE			
			FRACTIONS	DECIMALS	ANGLES												
			±	.XX ± 0.02	±												
	.XXX ± 0.01																
			ISSUED		SIZE		FSCM NO.		DWG NO.		REV.						
					B		05XQ0		27050560		A2						
					SCALE 2:1						SHEET 1 OF 1						