

**SUMMARY TEST DATA
ON
PEC-50-500M40G-20-12-292FF-BG-OPT250M**

Customer: _____
SO No: _____
Model No: PEC-50-500M40G-20-12-292FF-BG-OPT250M
Serial No: PL53947/2528

Tested By: Alfredo Lopez/Darwin M.C.
Temperature: +25°C
Date: 7/8/2025
Drawing No: 27650580 REV: A1

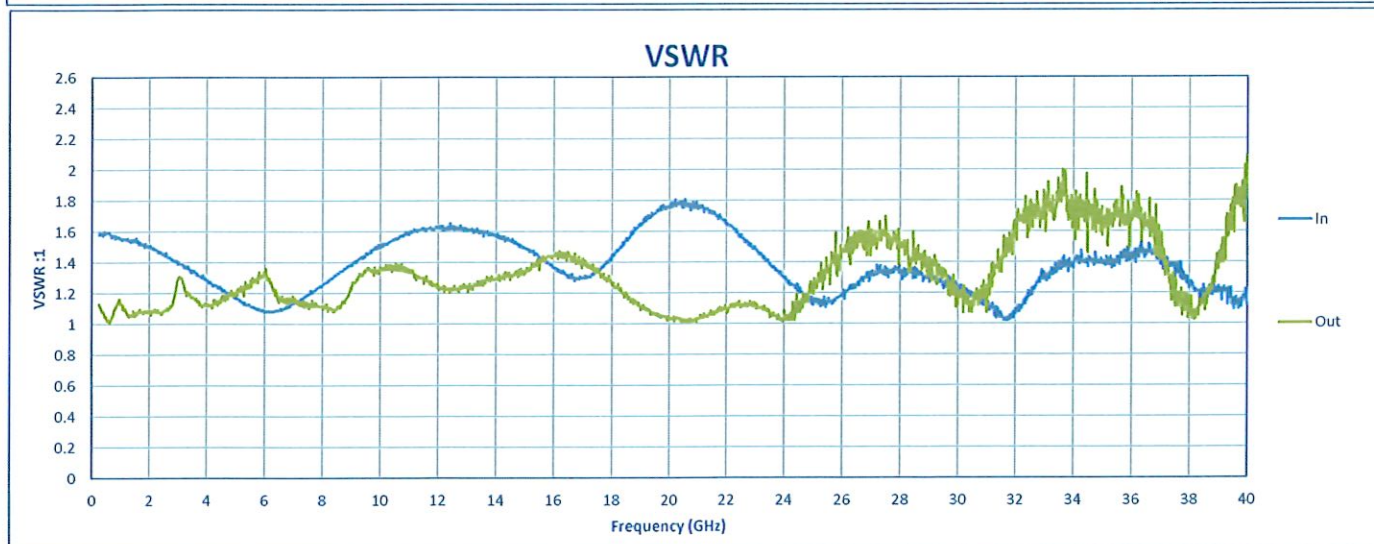
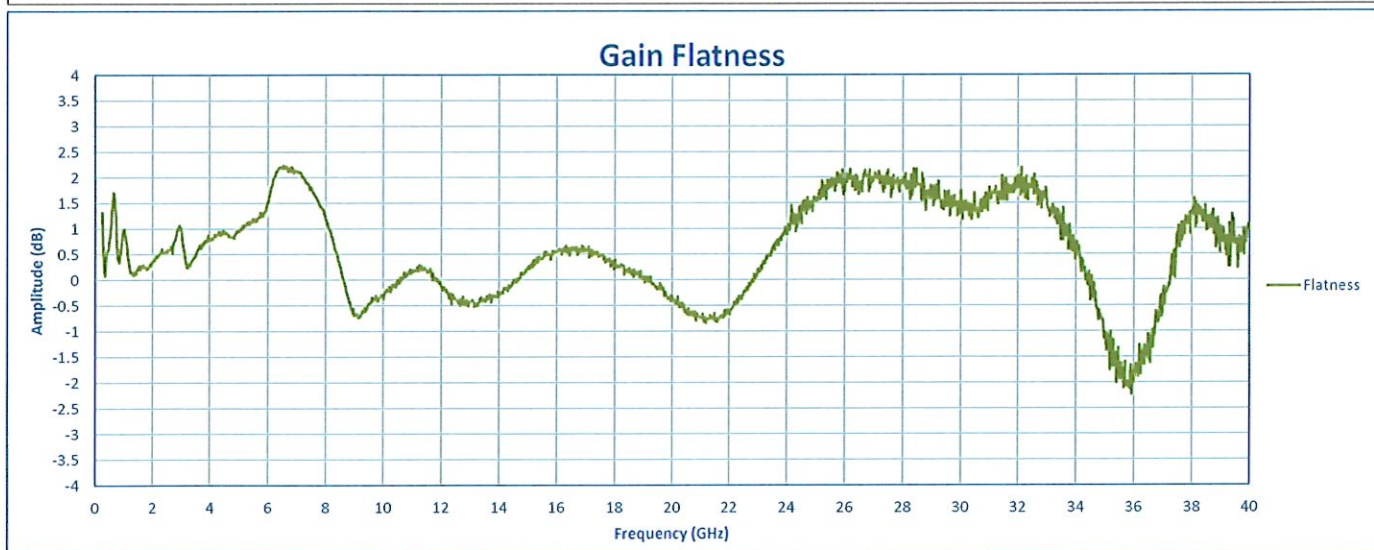
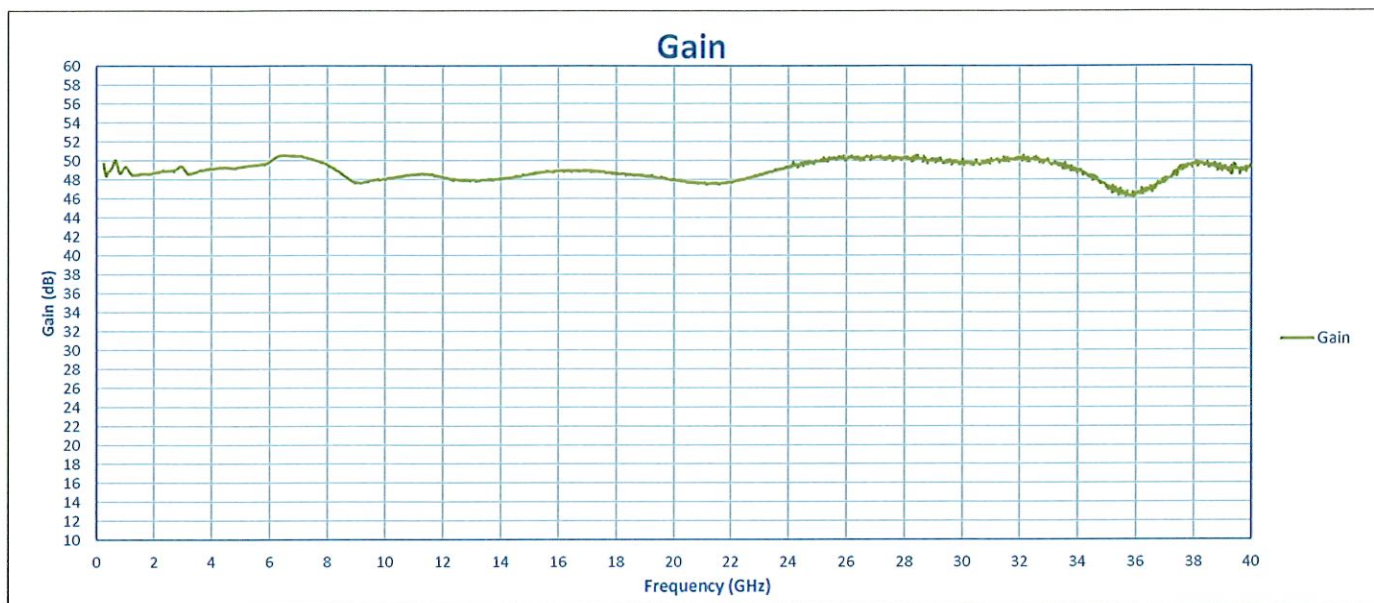
TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	250 MHz - 40 GHz	250 MHz - 40 GHz	PMI QA2
2	Gain:	+47 dB Nom +45 dB Min	+ 50.57 dB Max. + 46.11 dB Min. See Graph	PMI QA2
3	Gain Flatness:	±2.5 dB Max (@+25°C to +85°C) ±3.0 dB Max. (@-55°C to +25°C)	±2.23 dB See Graph	
4	Noise Figure :	5.5 dB Typ 7.0 dB Max	6.49 dB See Graph	
5	OP1dB:	+21 dBm Min (0.25-10 GHz) +19 dBm Min (10-18 GHz) +16 dBm Min (18-40 GHz)	+ 23.12 dBm	
			+ 22.82 dBm	
			+ 18.46 dBm	
			See Graph	
6	Psat:	+27 dBm Max	+ 26.28 dBm	
			See Graph	
7	Input Power Handling:	+23 dBm Max (250 MHz-26 GHz) +20 dBm Max (26-40 GHz)	Pass See Typical Characteristics	
8	VSWR: (Input/Output)	2.2:1 Max. (Input) 2.5:1 Max. (Output)	1.81 :1 (In)	PMI QA2
			2.09 :1 (Out)	
			See Graph	
9	DC Supply:	+12 to +15 VDC @ 550 mA Nom 650 mA Max (Iq)	+12 to +15 VDC @ 550 mA	

QA/QC Approval: 

PMI
QA2

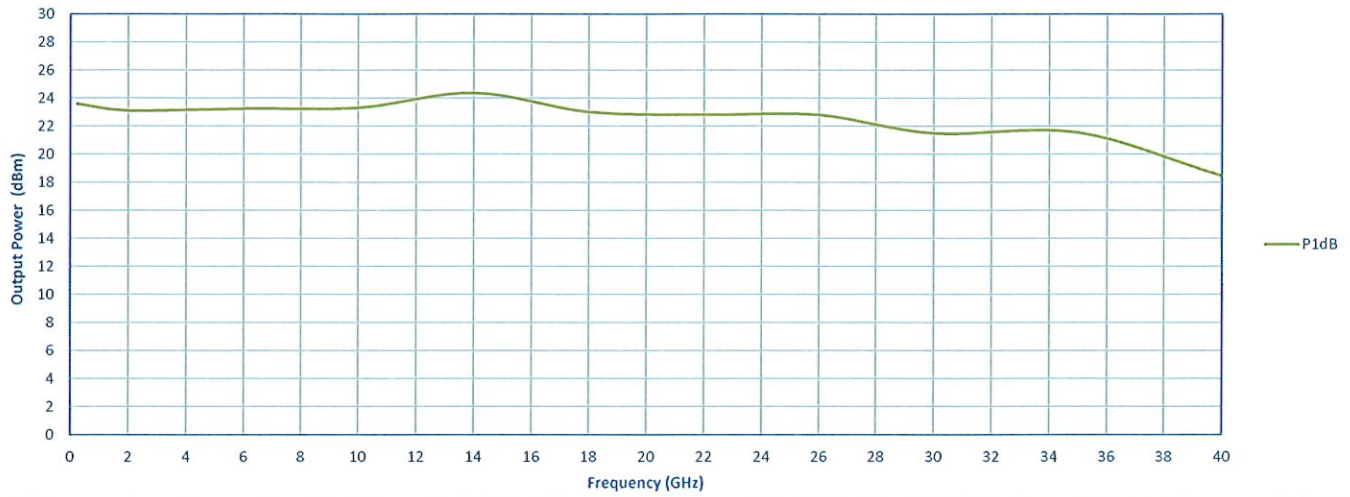
Date: 7/10/2025

SUMMARY TEST DATA ON PEC-50-500M40G-20-12-292FF-BG-OPT250M

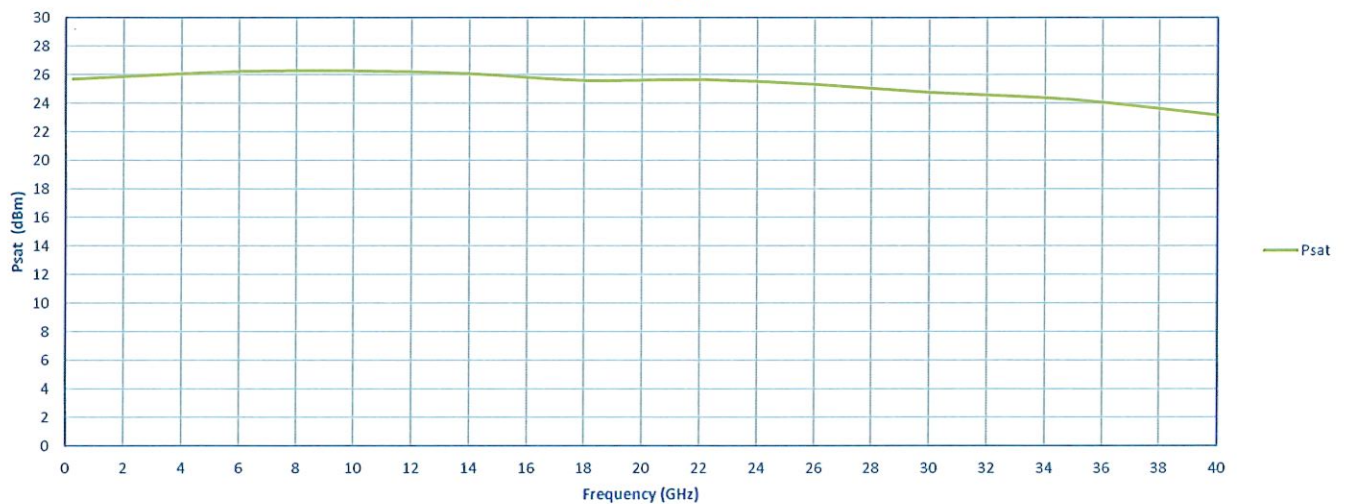


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OP1dB



PSAT



Noise Figure

