

SUMMARY TEST DATA ON PEC-30-500M40G-20-12-292FF-OPT250M

Customer: _____
SO No: _____
Model No: PEC-30-500M40G-20-12-292FF-OPT250M
Serial No: PL53564/2525

Tested By: Alfredo Lopez / Darwin Martinez-C.
 Temperature: +25°C
 Date: 6/18/2025
 Drawing No: 26950600 REV: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
			+25°C	
1	Frequency Range:	250 MHz - 40 GHz	250 MHz - 40 GHz	PMI QA2
2	Gain:	+25 dB Nom	+ 27.31 dB Max. + 24.04 dB Min. See Graph	
3	Gain Flatness:	±2.0 dB Max (+25°C to +85°C) (±3.0 Max. @ -55°C)	±1.64 dB See Graph	
4	Noise Figure:	5.5 dB Typ (0.25-26.5 GHz) 7.0 dB Max (26.5 to 40 GHz)	4.65 dB	
			(0.25 to 26.5 GHz)	
			6.23 dB	
			(26.5 to 40 GHz)	
			See Graph	
5	OP1dB:	+18 dBm Min (0.25-10 GHz) +17 dBm Min (10-18 GHz) +15 dBm Min (18-40 GHz)	+ 19.36 dBm	
			+ 19.17 dBm	
			+ 16.97 dBm	
			See Graph	
6	P _{sat} :	+25 dBm Max (0.25-18 GHz) +22 dBm Max (18-40 GHz)	+ 20.86 dBm	
			+ 19.77 dBm	
			See Graph	
7	Input Power Handling:	+23 dBm Max (0.25-26 GHz) +20 dBm Max (26-40 GHz)	Pass See typical Characteristics	
8	VSWR: (Input/Output)	2.0:1 Max. (Input) 2.5:1 Max. (Output)	1.72 :1 (In)	
			1.74 :1 (Out)	
			See Graph	
9	DC Supply:	+12 to +15 VDC @ 400 mA Max (I _q)	+12 to +15 VDC @ 274 mA	PMI QA2

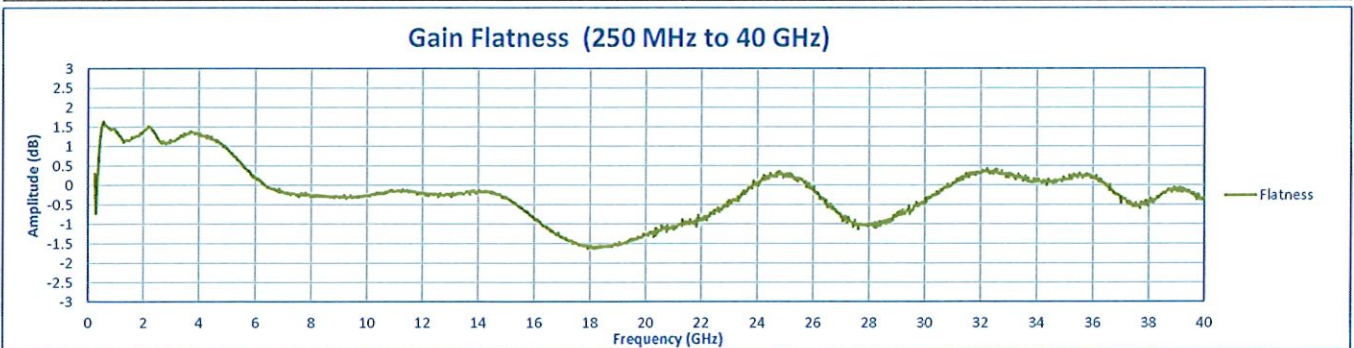
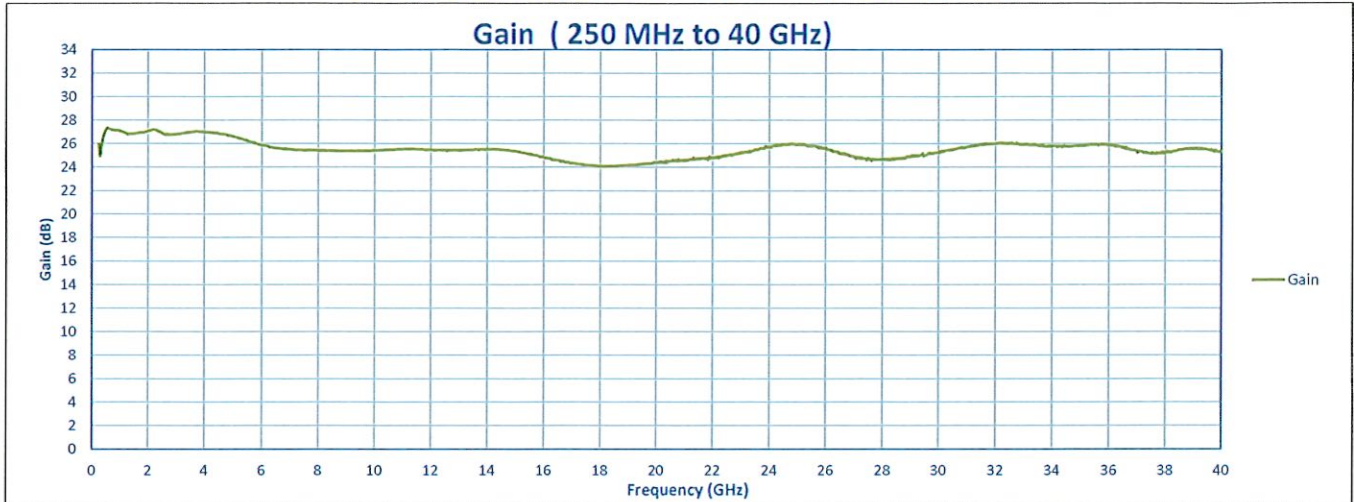
QA/QC Approval:

PMI
QA2

Date:

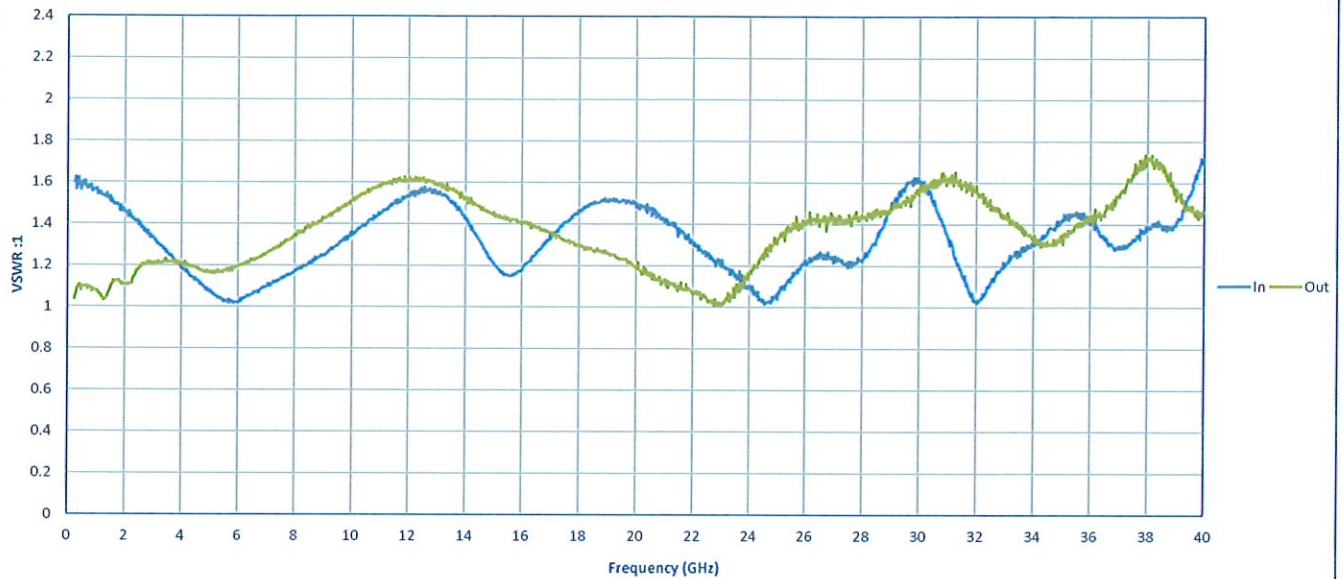
6/19/2025

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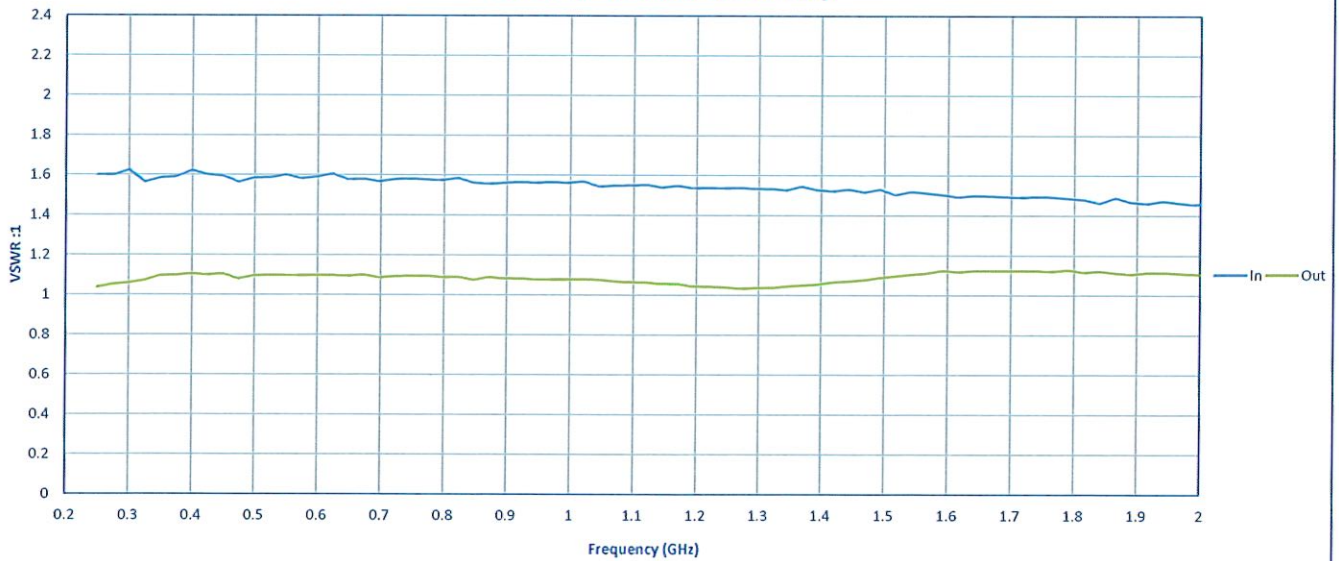


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VSWR (250 MHz to 40 GHz)

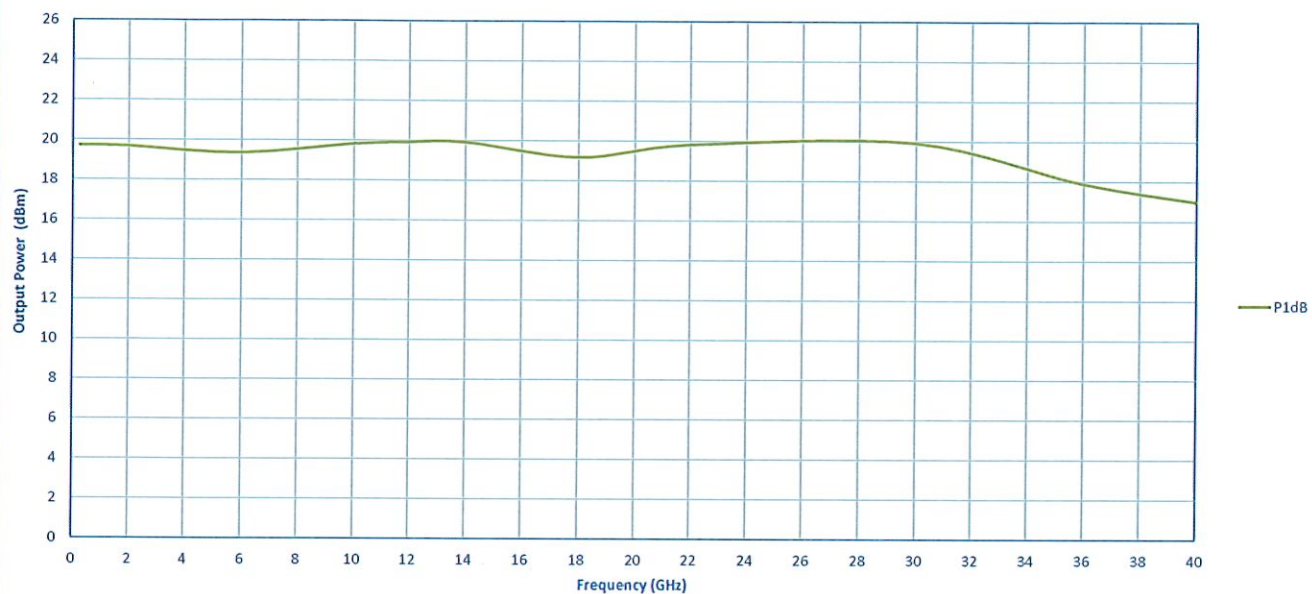


VSWR (250 MHz to 2 GHz)

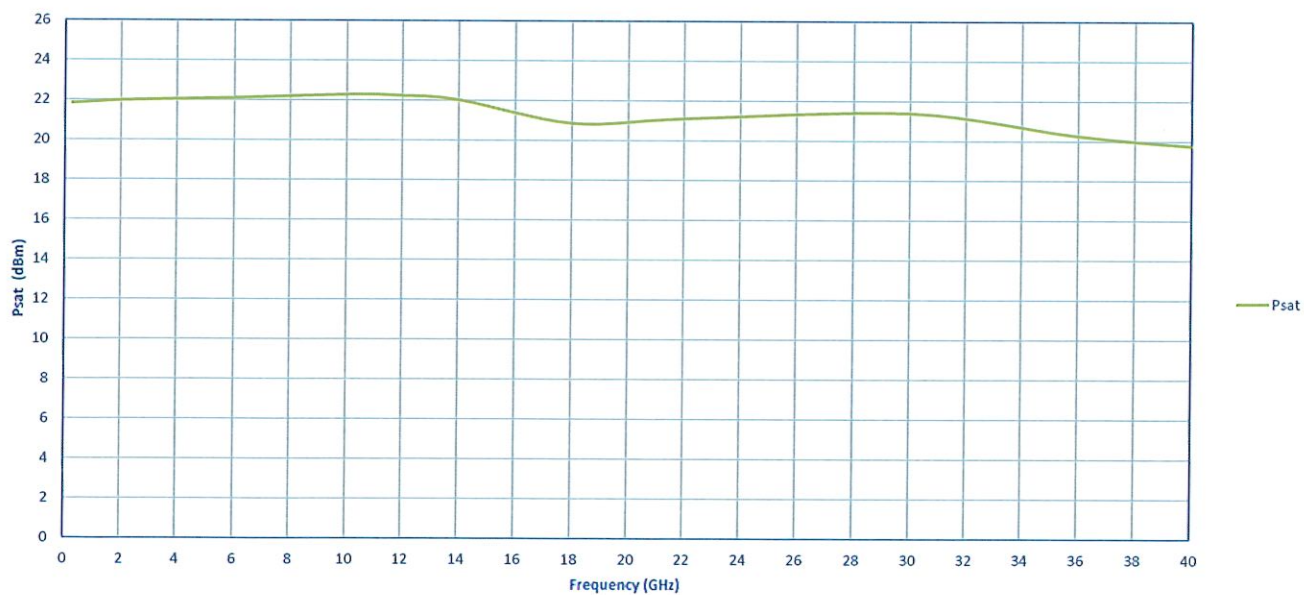


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OP1dB

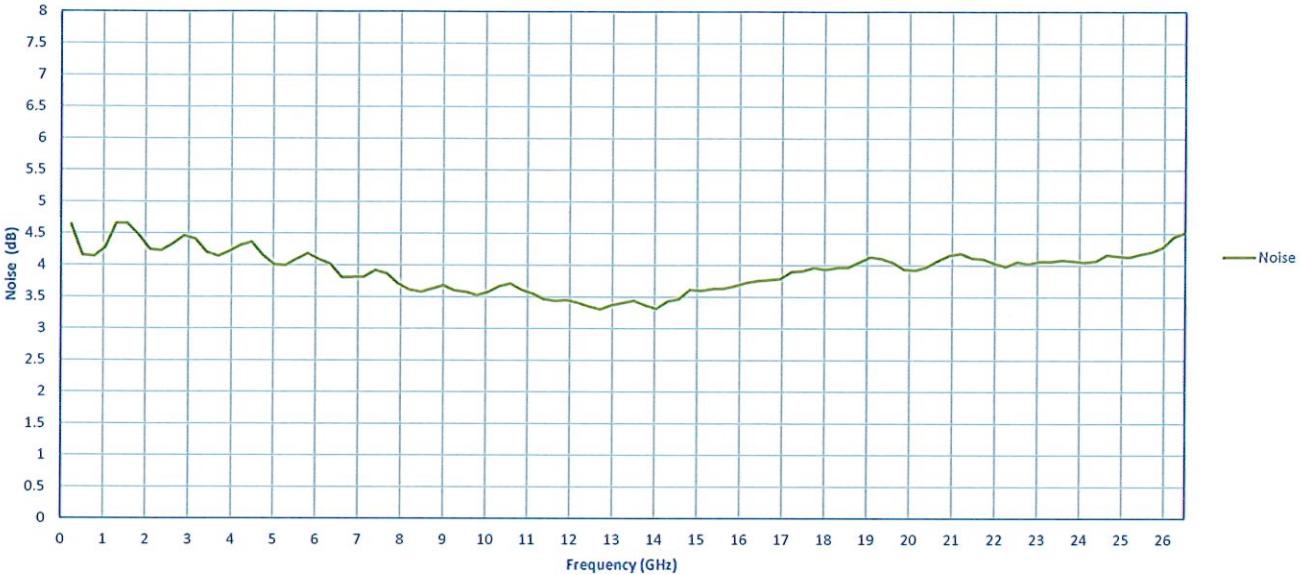


PSAT



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Noise Figure(0.25 to 26.5 GHz)



Noise Figure(26.5 to 40 GHz)

