

**SUMMARY TEST DATA
ON
PLNA-4G8G-42-4D5DB-10BBM-SFF**

Customer: _____
SO No: _____
Model No: **PLNA-4G8G-42-4D5DB-10BBM-SFF**
Serial No: **PL49130/2438**

Tested By: **RCombs**
Temperature: **+25° C, 0° C, +70° C**
Date: **9/23/2024**
Drawing No: **27647940** REV: **A1**

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results			QA QC
			+25°C	0°C	+70°C	
1	Frequency Range	4.0 - 8.0 GHz	4.0 - 8.0 GHz	4.0 - 8.0 GHz	4.0 - 8.0 GHz	
2	Gain (Min-Max)	+45 dB Max. +39 dB Min.	+44.7 dB Max. +43.3 dB Min. See Plot	+44.7 dB Max. +43.1 dB Min. See Plot	+44 dB Max. +42.4 dB Min. See Plot	
3	Gain Flatness	±2.5 dB Max.	±1.16 dB See Plot			
4	Noise Figure	4.5 dB Max.	2.6 dB See Plot	2.5 dB See Plot	2.9 dB See Plot	
5	Saturated Output Power	+8 dBc Min. +12 dBm Max.	+8.51dBc MIN +10.5dBc MAX See Plot	+8.56dBc MIN +10.52dBc MAX See Plot	+8.43dBc MIN +10.52dBc MAX See Plot	
6	Harmonics at +5 dBm Input	-11 dBc (GOAL -13 dBc)	-19.2 dBc	-17.5 dBc	-15.8 dBc	
7	VSWR (IN/OUT)	2.0:1 Max.	1.58:1 In 1.37:1 Out See Plot	1.62:1 In 1.38:1 Out See Plot	1.56:1 In 1.37:1 Out See Plot	
8	DC Power Supply	+12 VDC @ 420 mA Max.	12 VDC RF Off:226 mA	12 VDC RF Off:217 mA	12 VDC RF Off:230 mA	
			RF On:330 mA	RF On:322 mA	RF On:325 mA	
9	Gain at 10 GHz	0 dB Max.	-9.5dB	-6.9dB	-15.8dB	

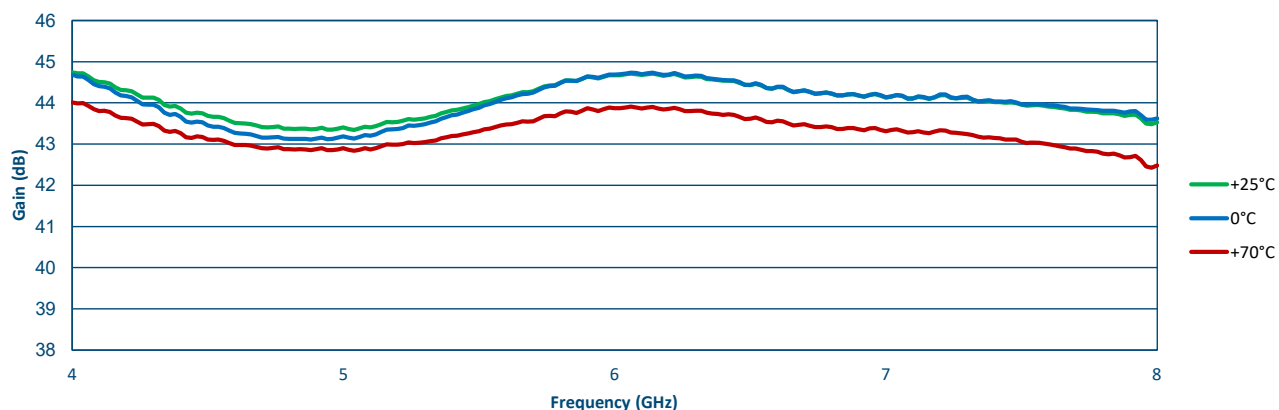
QA/QC Approval: _____

Date: _____

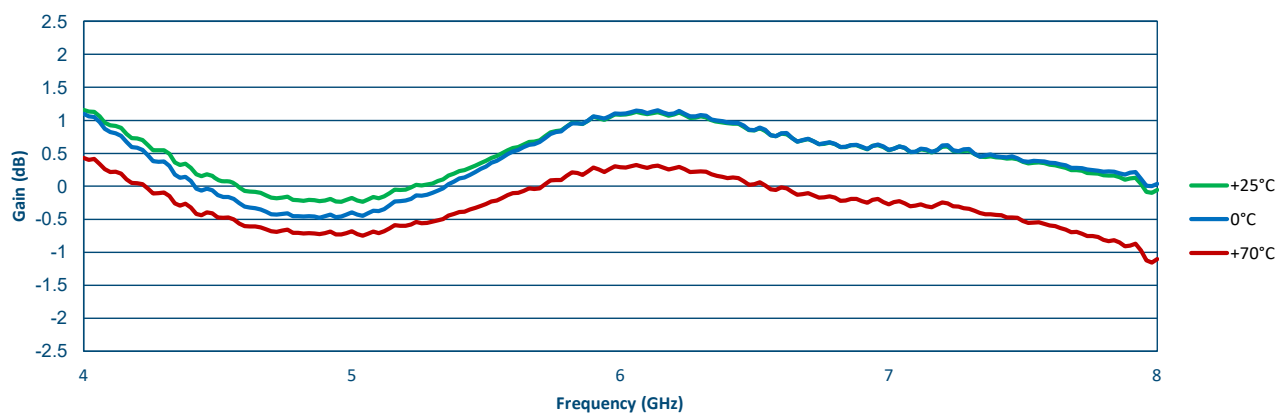
SUMMARY TEST DATA ON PLNA-4G8G-42-4D5DB-10BBM-SFF

PL49130/2438

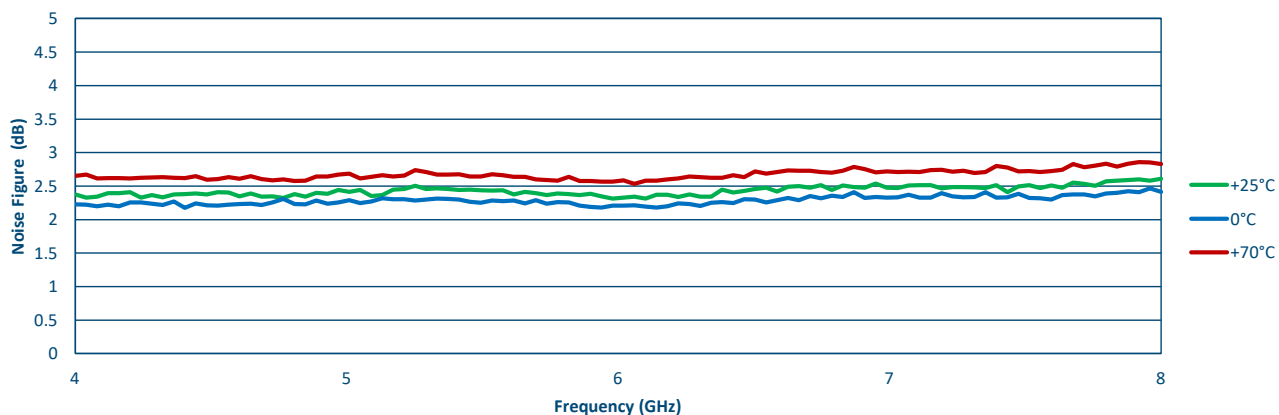
Gain



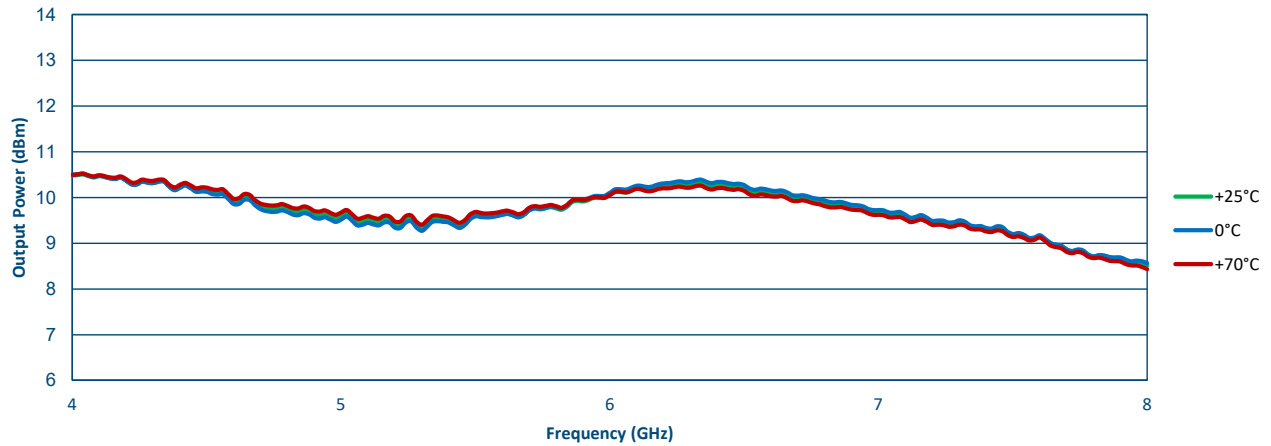
Gain Flatness



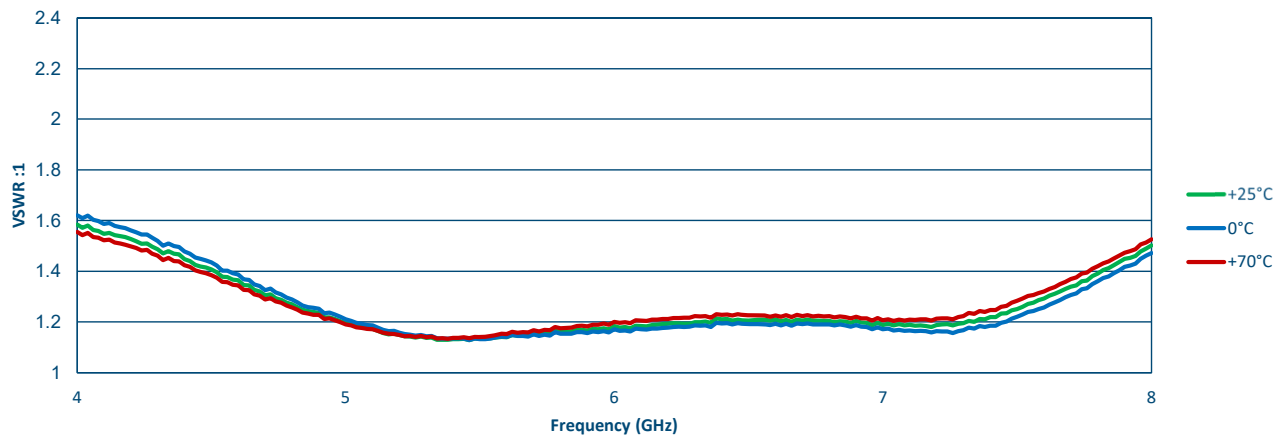
Noise Figure



PSAT



INPUT VSWR



OUTPUT VSWR

