

**SUMMARY TEST DATA
ON
PLNA-30-10M20-292FF**

Customer: _____
SO No: _____
Model No: PLNA-30-10M20-292FF
Serial No: PL54844/2532

Tested By: Darwin M.C.
Temperature: +25° C
Date: 8/8/2025
Drawing No: 27641260 REV: A2

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	10 MHz to 20.0 GHz	10 MHz to 20.0 GHz	PMI QA4
2	Gain:	26 dB Min. (10 MHz to 18 GHz) 28 dB Min. (18 to 20 GHz)	+26.8 dB Min. +28 dB Min. See Graph	
3	Gain Flatness: (@ any Operating Temp.)	±2.2 dB Max. (10 MHz to 18 GHz) ±3 dB Max. (10 MHz to 20 GHz)	±1.36 dB ±1.12 dB See Graph	
4	Noise Figure:	3.0 dB Typ. (20MHz to 0.5 GHz) 2.5 dB Typ. (0.5 to 18 GHz) 3.3 dB Typ. (18 to 20 GHz)	2.01 dB 2.81 dB 3 dB See Graph	
5	OP1dB:	+14 dBm Typ. (10MHz to 18 GHz) +13 dBm Typ. (18 to 20 GHz)	+16.65 dBm +15.66 dBm See Graph	
6	Psat	+15 dBm Typ. (10MHz to 18 GHz) +14 dBm Typ. (18 to 20 GHz)	+18 dBm +16.75 dBm See Graph	
7	OIP3:	+25 dBm Typ. (10MHz to 18 GHz) +23 dBm Typ. (18 to 20 GHz)	Pass See typical Characteristics	
8	VSWR Input	2.0:1 Max. (10MHz to 18 GHz) 2.2:1 Typ. (18 to 20 GHz)	1.8:1 2.01:1 See Graph	
9	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Max. (18 GHz to 20 GHz)	1.83:1 1.69:1 See Graph	
10	Second Harmonic: (-30dBm Input Power) (at P1dB) (+5dBm Over P1dB) (+10dBm Over P1dB) (+15dBm Over P1dB)	70 dBc Typ. 12 dBc Typ. 12 dBc Typ. 12 dBc Typ. 12 dBc Typ.	Pass See typical Characteristics	
11	Reverse Isolation:	36 dB Min. (10 MHz to 18 GHz) 35 dB Min. (18 to 20 GHz)	37 dB 36 dB See Graph	
12	DC Supply:	+5 VDC @ 140 mA Max	118 mA	

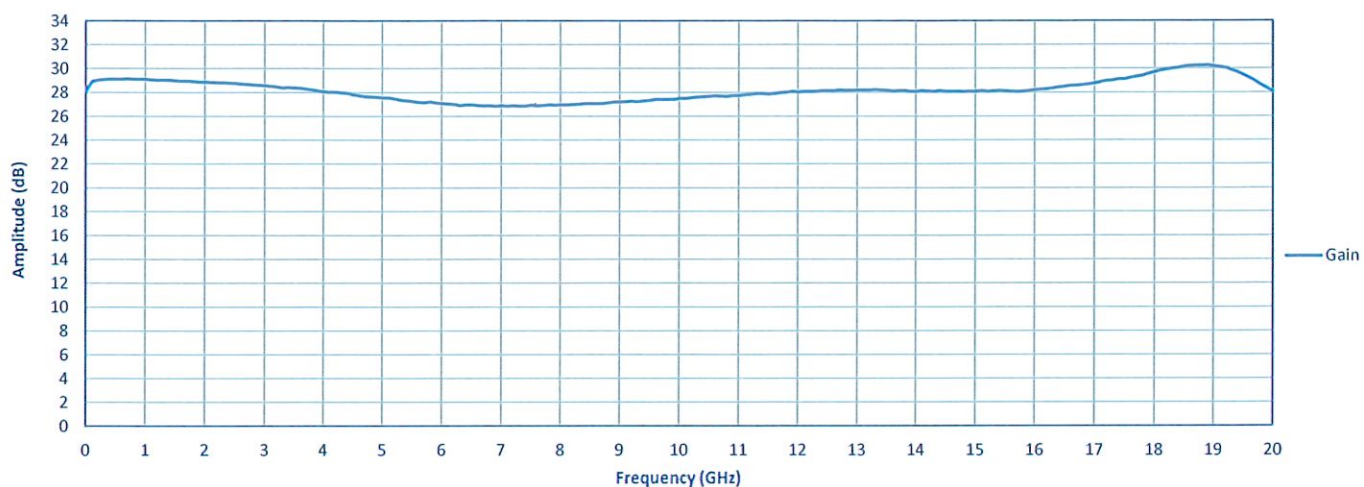
QA/QC Approval:

Cumersupkely

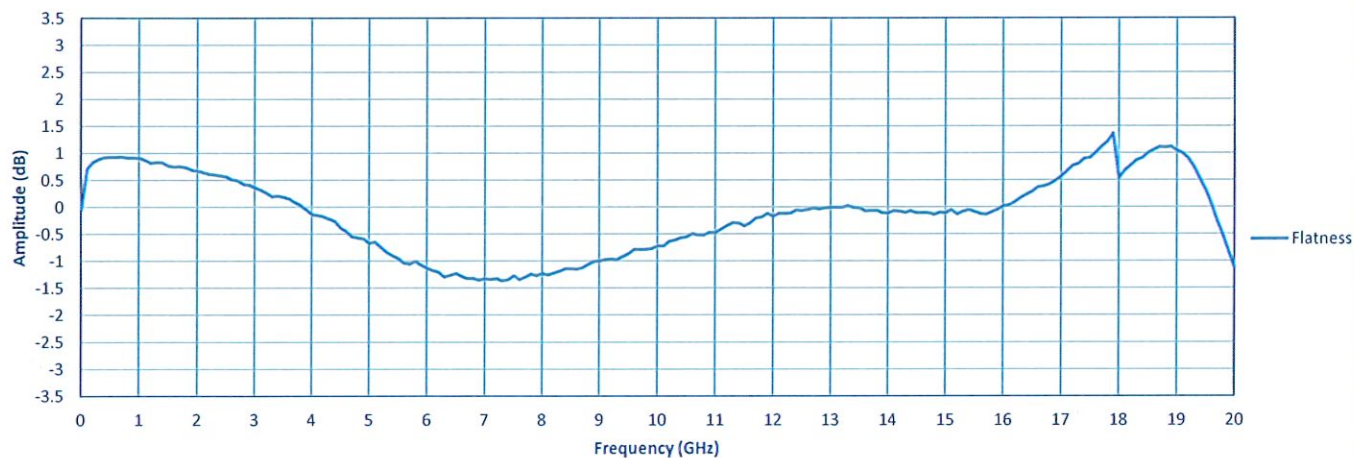
Date: 8/11/25

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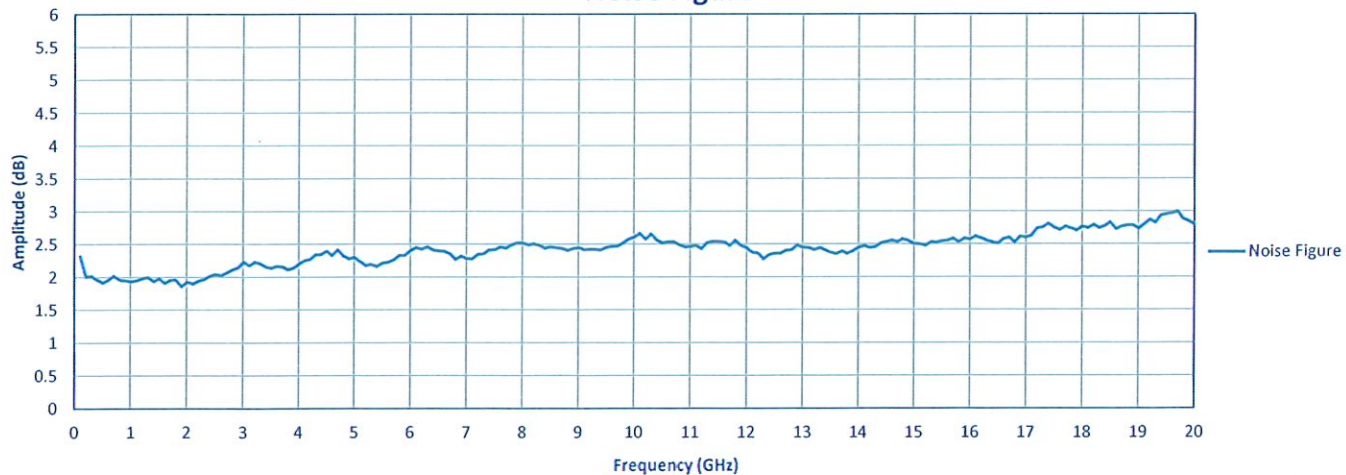
Gain



Gain Flatness

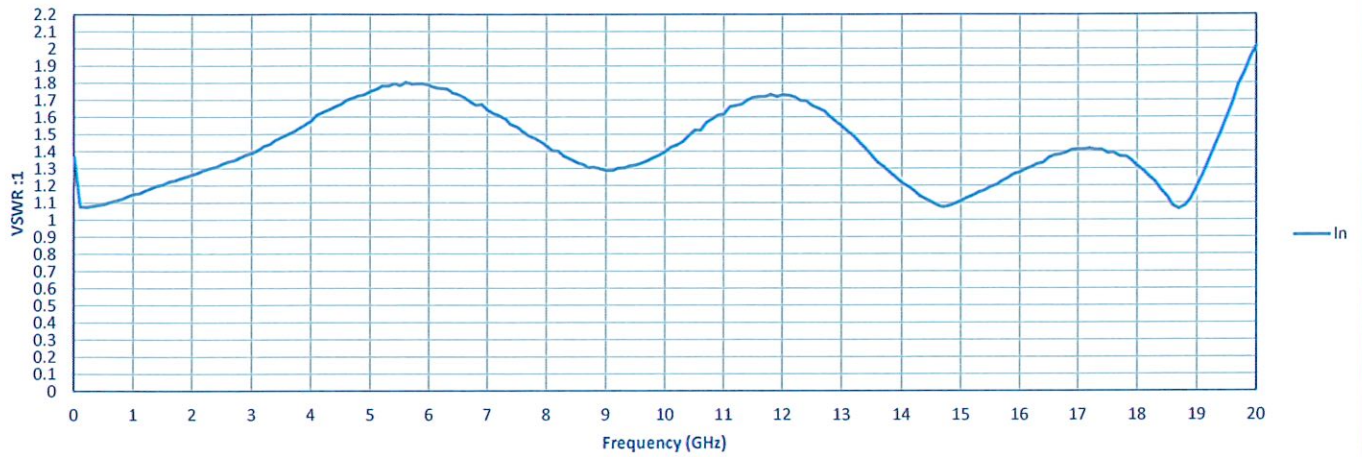


Noise Figure

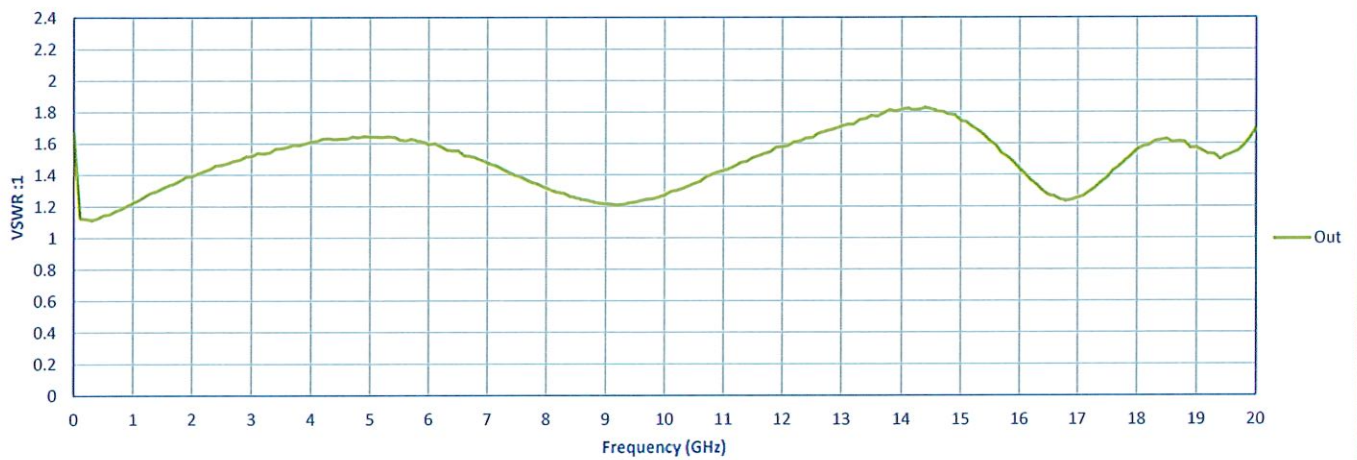


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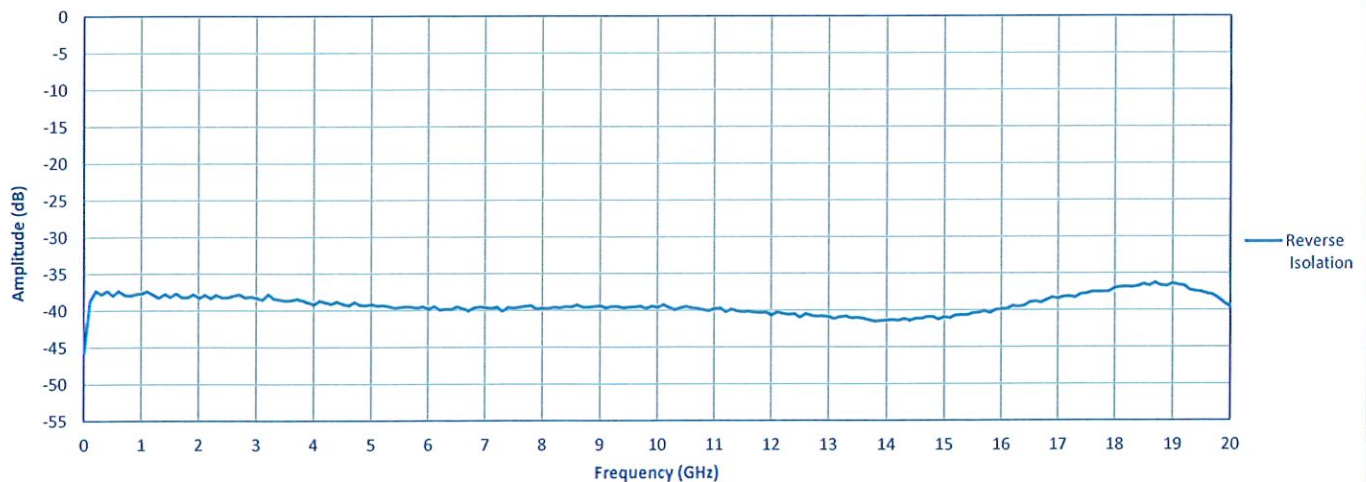
Input VSWR



Output VSWR



Reverse Isolation



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