

**SUMMARY TEST DATA
ON
PEC-42-1G40G-20-12-292FF-BT**

Customer: _____
SO No: _____
Model No: PEC-42-1G40G-20-12-292FF-BT
Serial No: PL49331/2440

Tested By: K. Mansfield
Temperature: +25° C
Date: 9/30/2024
Drawing No: 27639880 REV: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	1 GHz - 40 GHz	1 GHz - 40 GHz	PMI QA4
2	Gain:	40 dB Typ. / (34 dB Min.)	37.9 dB Typ. See Plot	
3	Gain Flatness:	±2.5 dB Typ.	±3.3 dB See Plot	
4	Noise Figure:	5.5 dB Typ. (Up To 26.5 GHz)	See Typical Characteristics	
5	Pout @ 1dB Compression:	+19 dBm Typ. 1-18 GHz +17 dBm Typ. 18-40 GHz	See Typical Characteristics	
6	Psat:	+23 dBm Typ. 1-18 GHz +20 dBm Typ. 18-40 GHz	See Typical Characteristics	
7	VSWR In:	2.0:1 Max.	1.9:1 See Plot	
8	VSWR Out:	2.5:1 Max.	1.72:1 See Plot	
9	Input Power Handling:	+17 dBm CW Max.	Pass	
10	DC Supply:	+12 to +15 VDC @ 550 mA Typ.	+12 to +15 VDC @ 440 mA	PMI QA4

(*)Noise figure Measured up to 26.5 GHz.

QA/QC Approval:

Cameron Kelly

Date: 10/1/24



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