

SUMMARY TEST DATA ON PEC-30-10M20-SFF-ROHS

Customer: _____

SO No:

Model No: PEC-30-10M20-SFF-ROHS

Serial No: PL47255/2430

Tested By: A. Mousavi

Temperature: +25° C

Date: 7/30/2024

Drawing No: 27648520 REV: A1

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 QA2	
2	Gain:	+26 dB Min. (10 MHz to 18 GHz) +28 dB Min. (18 GHz to 20 GHz)	+26.9 dB +28 dB See Plot		
3	Gain Flatness:	±2 dB Max. (10 MHz to 18 GHz) ±2.5 dB Typ., ±2.75 Max. (18 GHz to 20 GHz)	±1.24 dB ±0.28 dB See Plot		
4	Noise Figure:	4.5 dB Max. (20 MHz to 0.5 GHz) 3.5 dB Max. (0.5 GHz to 18 GHz) 4.0 dB Max. (18 GHz to 20 GHz)	2.4 dB 3 dB 3.7 dB See Plot		
5	OP1dB:	+13.5 dBm Min. (10 MHz to 18 GHz) +12 dBm Min. (18 GHz to 20 GHz)	+15.3 dBm +14.2 dBm See Plot		
6	Psat	+15 dBm Min. (10 MHz to 18 GHz) +13 dBm Min. (18 GHz to 20 GHz)	+16.5 dBm +15.6 dBm See Plot		
7	OIP3	+20 dBm Min. (10 MHz TO 20 GHz) @ 25°C +14 dBm Min. (10 MHz TO 20 GHz) @ -40°C and +85°C	See Plot		
8	VSWR Input	2:1 Max. (10 MHz to 18 GHz) 2.2:1 Max. (18 GHz to 20 GHz)	2:1 2.03:1 See Plot		
9	VSWR Output:	2.1:1 Max. (10 MHz to 18 GHz) 2.4:1 Max. (18 GHz to 20 GHz)	1.92:1 1.59:1 See Plot		
10	DC Supply:	+12 to +15 VDC @ 170 mA Max.	150 mA		PMI QA2

QA/QC Approval:

PMI
QA2

Date: 7/30/2024

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