

SUMMARY TEST DATA ON APD-8-0R518G-292FF-MS

Customer: _____
 SO No: _____
 Model No: APD-8-0R518G-292FF-MS
 Serial No: PL46541/2424

Tested By: K. Wagaman
 Temperature: +25 °C
 Date: 6/11/2024
 Drawing No: 27639020 Rev: A1

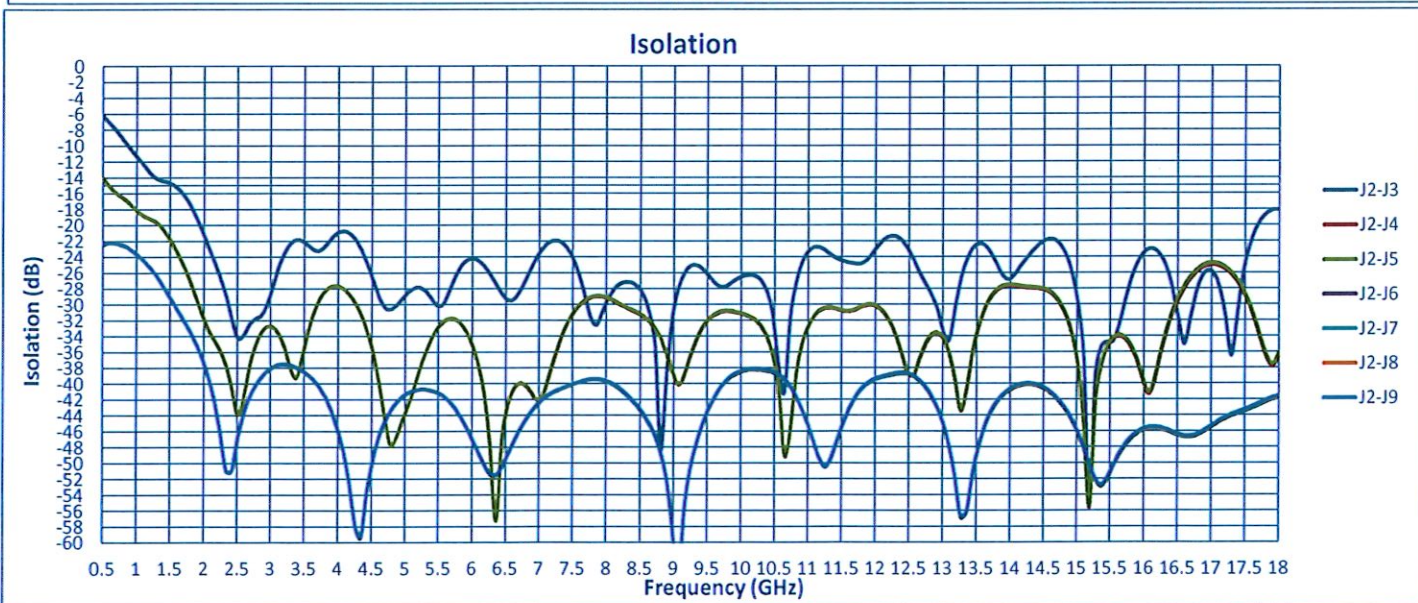
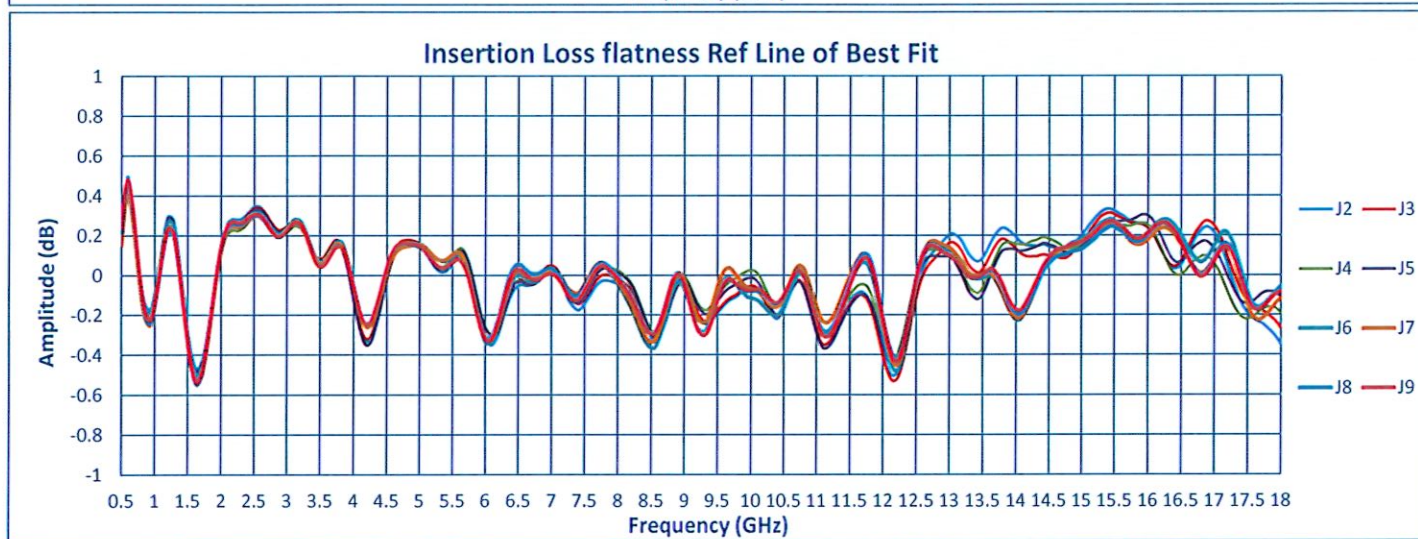
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	0.5 – 18 GHz	1 GHz – 23 GHz	PMI QA4
2	Insertion Loss	0.5 to 1 GHz – 2.0 dB Max. 1 to 2 GHz – 2.2 dB Max. 2 to 8 GHz – 2.5 dB Max. 8 to 18 GHz – 5.2 dB Max.	1.22 dB 1.61 dB 2.03 dB 3.57 dB See Graph	
3	Insertion Loss Flatness (Ref Line of Best Fit)	0.5 to 18 GHz – ± 1 dB Max. 1.0 to 18 GHz – ± 1 dB Max 2 to 18 GHz – ± 1 dB Max	+0.49 dB / -0.55 dB +0.35 dB / -0.55 dB +0.35 dB / -0.53 dB See Graph	
4	VSWR Input	0.5 to 1 GHz – 2.5:1 Typ. 1 to 2 GHz – 2.6:1 Max. 2 to 8 GHz – 2.1:1 Max. 8 to 18 GHz – 2.0:1 Typ.	2.08:1 2.38:1 1.87:1 1.8:1 See Graph	
5	VSWR /Output	0.5 to 1 GHz – 1.5:1 Max. 1 to 2 GHz – 1.5:1 Max. 2 to 8 GHz – 1.7:1 Typ. 8 to 18 GHz – 1.8:1 Typ.	1.31 :1 1.2 :1 1.56 :1 1.7 :1 See Graph	
6	Isolation	0.5 to 1 GHz – 10 dB Typ. 1 to 2 GHz – 10 dB Typ. 2 to 8 GHz – 20 dB Typ. 8 to 18 GHz – 20 dB Typ.	6.19 dB 10.67 dB 20.75 dB 18.08 dB See Graphs	
7	Amplitude Balance	0.5 to 1 GHz – ± 0.5 dB Max. 1 to 2 GHz – ± 0.5 dB Max. 2 to 8 GHz – ± 0.5 dB Max. 8 to 18 GHz – ± 1.2 dB Max.	+0.05 dB / -0.03 dB +0.04 dB / -0.02 dB +0.09 dB / -0.06 dB +0.29 dB / -0.29 dB See Graph	
8	Phase Balance	0.5 to 1 GHz – $\pm 3^\circ$ Max. 1 to 2 GHz – $\pm 3^\circ$ Max. 2 to 8 GHz – $\pm 4^\circ$ Max. 8 to 18 GHz – $\pm 10^\circ$ Max.	+0.2° / -0.27° +0.17° / -0.29° +0.82° / -0.84° +1.7° / -2.26° See Graph	
9	Average Power	25 Watts (+44dBm) (Into 1.2:1 Load VSWR)	Pass See Typical Characteristics	PMI QA4

Note: Amplitude and phase balance are relative to J2 Port.

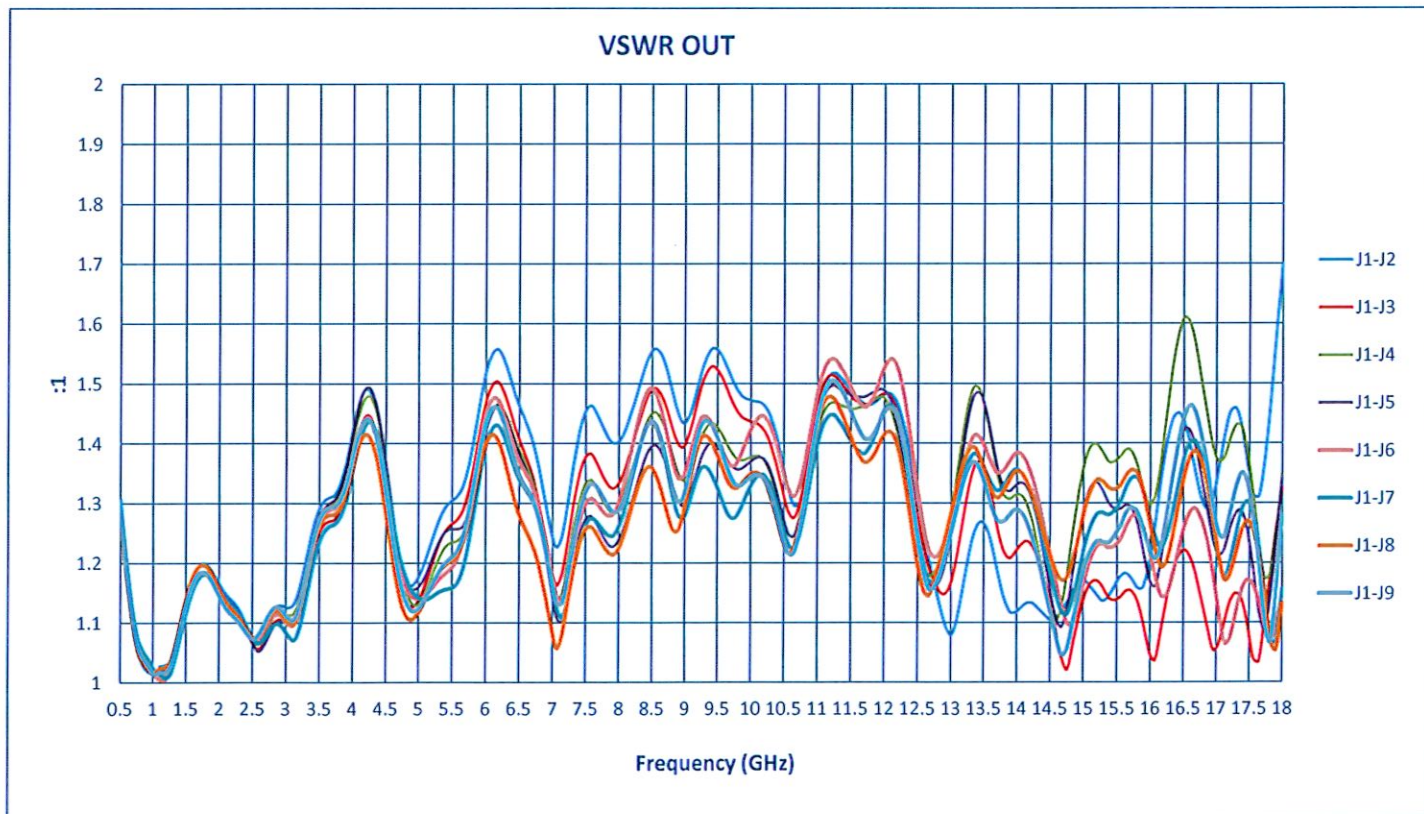
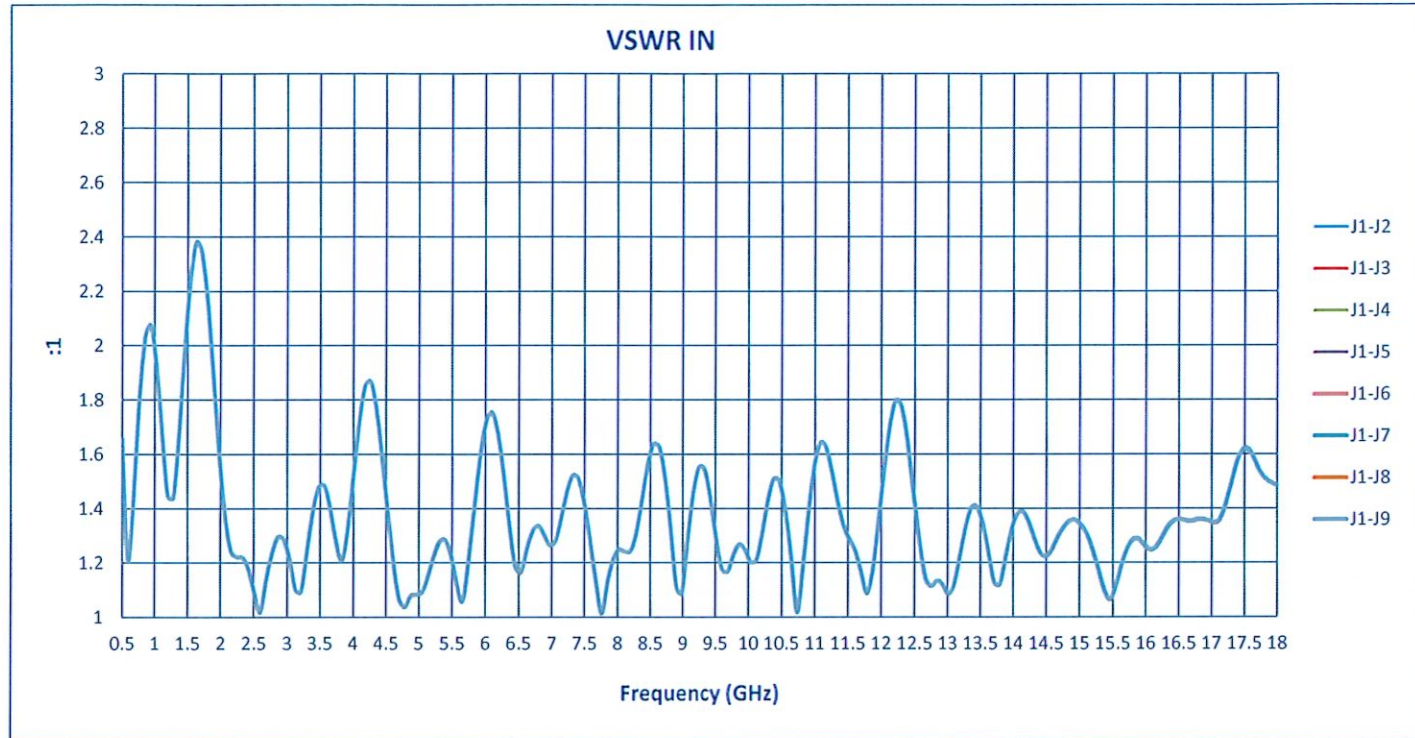
QA/QC Approval: _____

Date: 06/11/2024

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