

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

Customer: _____
 SO No: _____
 Model No: APD-8-0R518G-292FF-MS
 Serial No: PL46542/2424

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.	1.24 dB 1.65 dB 2 dB 3.44 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	+0.55 dB / -0.59 dB +0.35 dB / -0.59 dB +0.35 dB / -0.44 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.	2.11:1 2.42:1 1.91:1 1.71:1 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 1.5:1 1.69:1 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.	6.13 dB 10.74 dB 20.13 dB 16.43 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 +0.05 dB / -0.04 dB +0.08 dB / -0.08 dB +0.33 dB / -0.25 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.	+0.32° / -0.36° +0.23° / -0.33° +0.75° / -0.87° +1.41° / -2.24° 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.

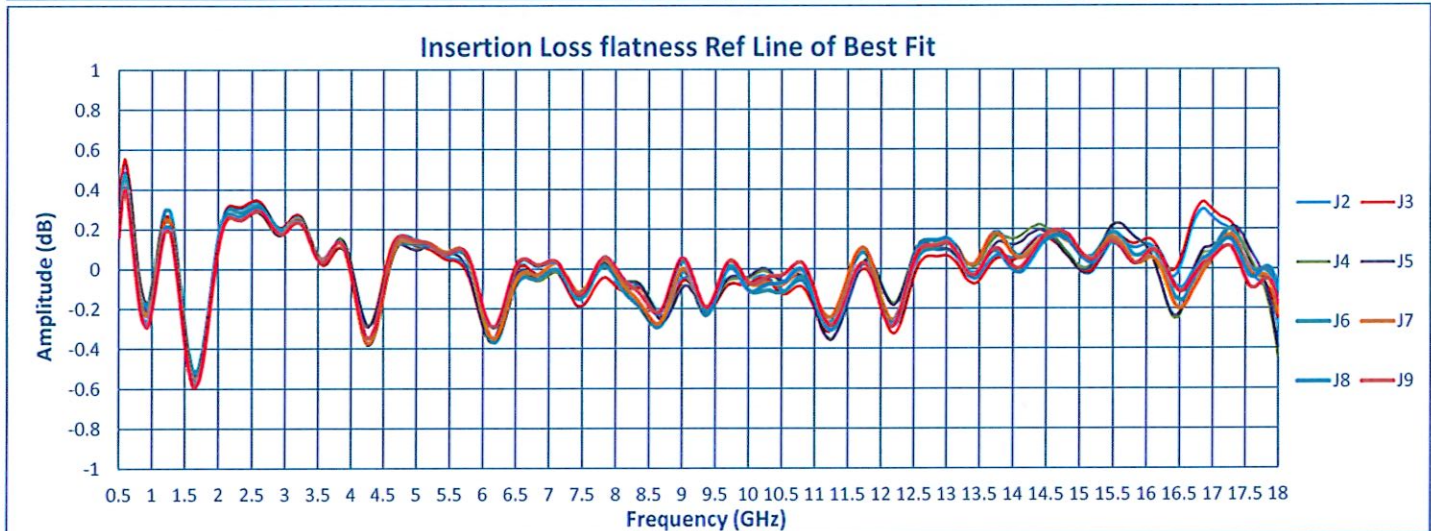
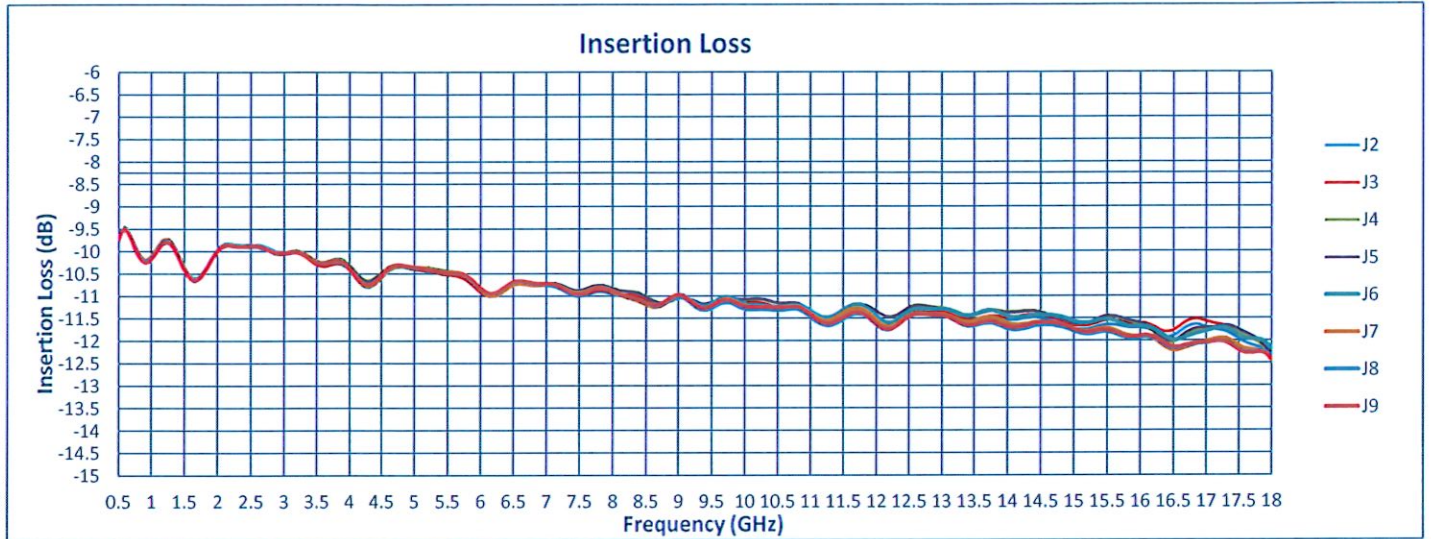
QA/QC Approval:



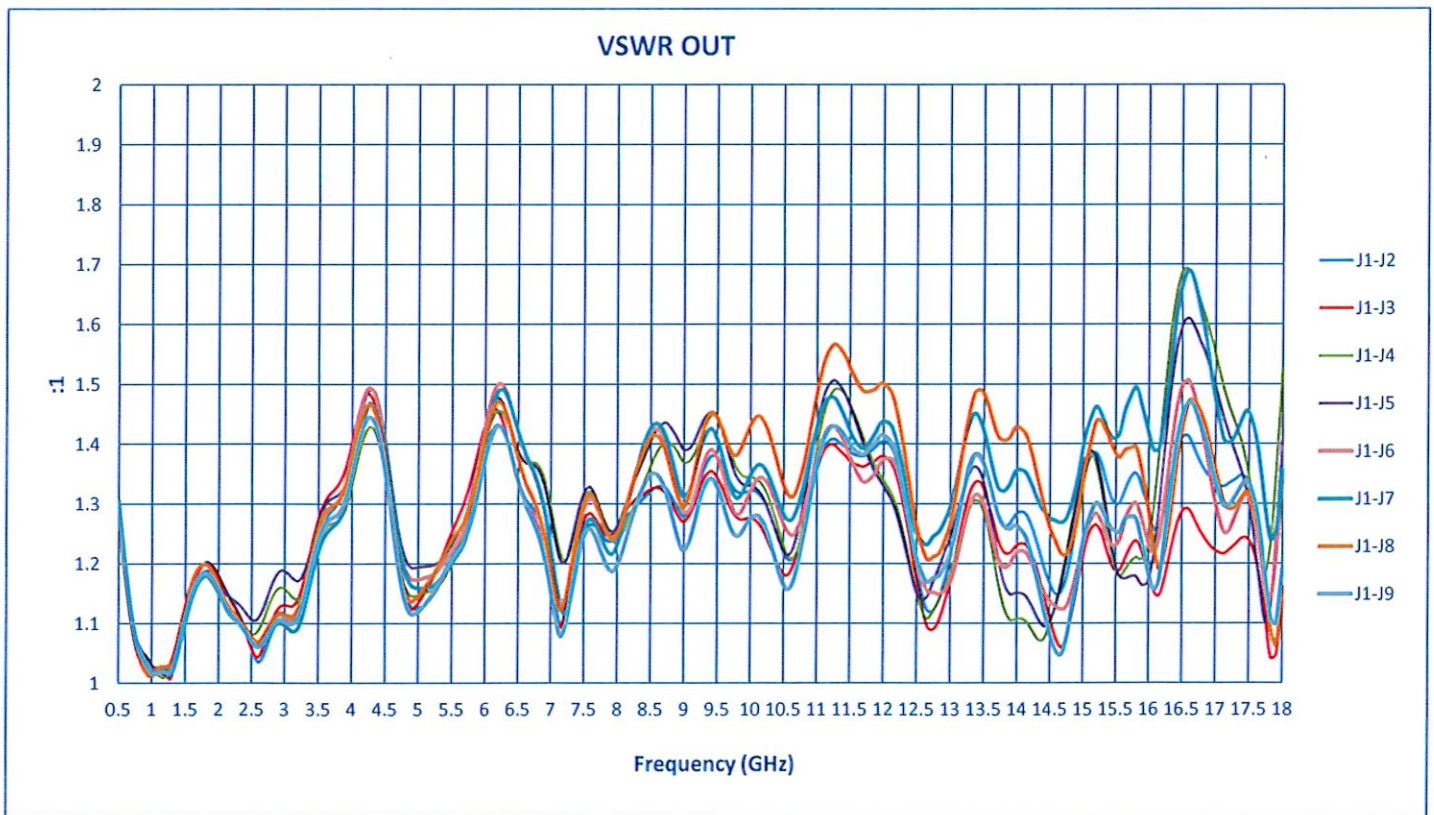
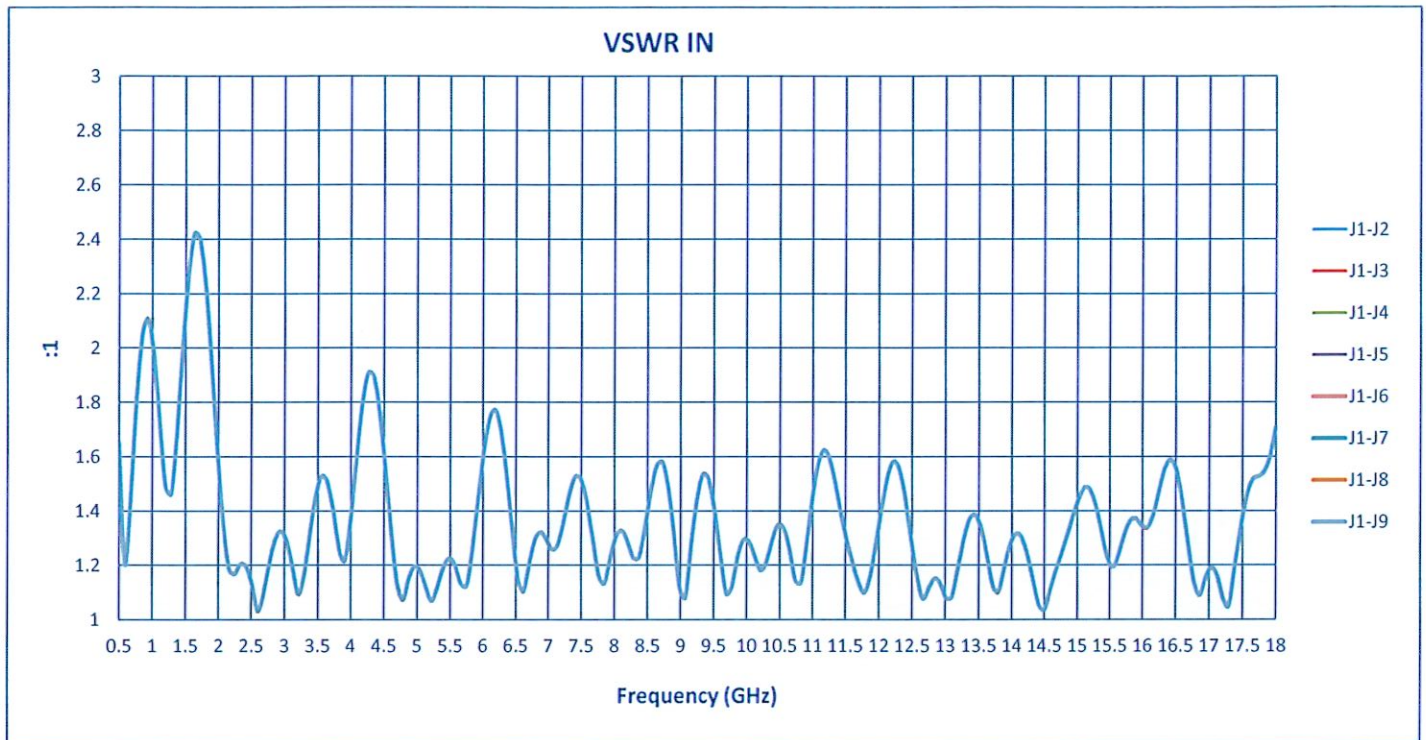
Date:

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