



Typical Characteristics ON APD-8-0R518G-292FF

Customer: DEMO-PMI

SO No:

Model No: APD-8-0R518G-292FF

Serial No: DEMO-PMI

Tested By: A. Lopez

Temperature: +25 °C

Date: 10/12/2020

Drawing No: 27639020

Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS +25°C	QA QC
1	Frequency Range	0.5 GHz – 18 GHz	0.5 GHz – 18 GHz	PMI QA 2
2	Insertion Loss	0.5 to 1 GHz – 2.0 dB Max.	1.45 dB	
		1 to 2 GHz – 2.0 dB Max.	1.62 dB	
		2 to 8 GHz – 2.0 dB Max.	1.82 dB	
		8 to 18 GHz – 3.2 dB Max.	2.86 dB	
			See Graphs	
	Insertion Loss Flatness (Ref Line of Best Fit)	0.5 to 18 GHz – ± 1 dB Max	0.79 dB	
		1.0 to 18GHz – ± 1 dB Max	0.79 dB	
		2 to 18 GHz – ± 1 dB Max	0.72 dB	
			See Graphs	
4	VSWR Input	0.5 to 1 GHz – 2.5:1 Typ.	2.32 :1	
		1 to 2 GHz – 2.6:1 Max.	2.45 :1	
		2 to 8 GHz – 2.1:1 Max.	2.01 :1	
		8 to 18 GHz – 2.0:1 Max.	1.88 :1	
			See Graphs	
5	VSWR /Output	0.5 to 1 GHz – 1.5:1 Max.	1.37 :1	
		1 to 2 GHz – 1.5:1 Max.	1.22 :1	
		2 to 8 GHz – 1.7:1 Max.	1.64 :1	
		8 to 18 GHz – 1.8:1 Max.	1.69 :1	
			See Graphs	
6	Isolation	0.5 to 1 GHz – 10 dB Typ.	6.36 dB	
		1 to 2 GHz – 10 dB Typ.	11.21 dB	
		2 to 8 GHz – 20 dB Typ.	19.84 dB	
		8 to 18 GHz – 20 dB Typ.	17.08 dB	
			See Graphs	
7	Amplitude Balance	0.5 to 1 GHz – ± 0.5 dB Max.	0.21 dB (±)	
		1 to 2 GHz – ± 0.5 dB Max.	0.18 dB (±)	
		2 to 8 GHz – ± 0.3 dB Max.	0.12 dB (±)	
		8 to 18 GHz – ± 0.5 dB Max.	0.39 dB (±)	
			See Graphs	
8	Phase Balance	0.5 to 1 GHz – 5° Max.	1.56 °	
		1 to 2 GHz – 3° Max.	0.92°	
		2 to 8 GHz – 4° Max.	3.12°	
		8 to 18 GHz – 10° Max.	8.15°	
			See Graphs	
9	Average Power	25 Watts (+44dBm) (Into 1.2:1 Load VSWR)	Pass See Typical Characteristics	PMI QA 2

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

QA/QC Approval:

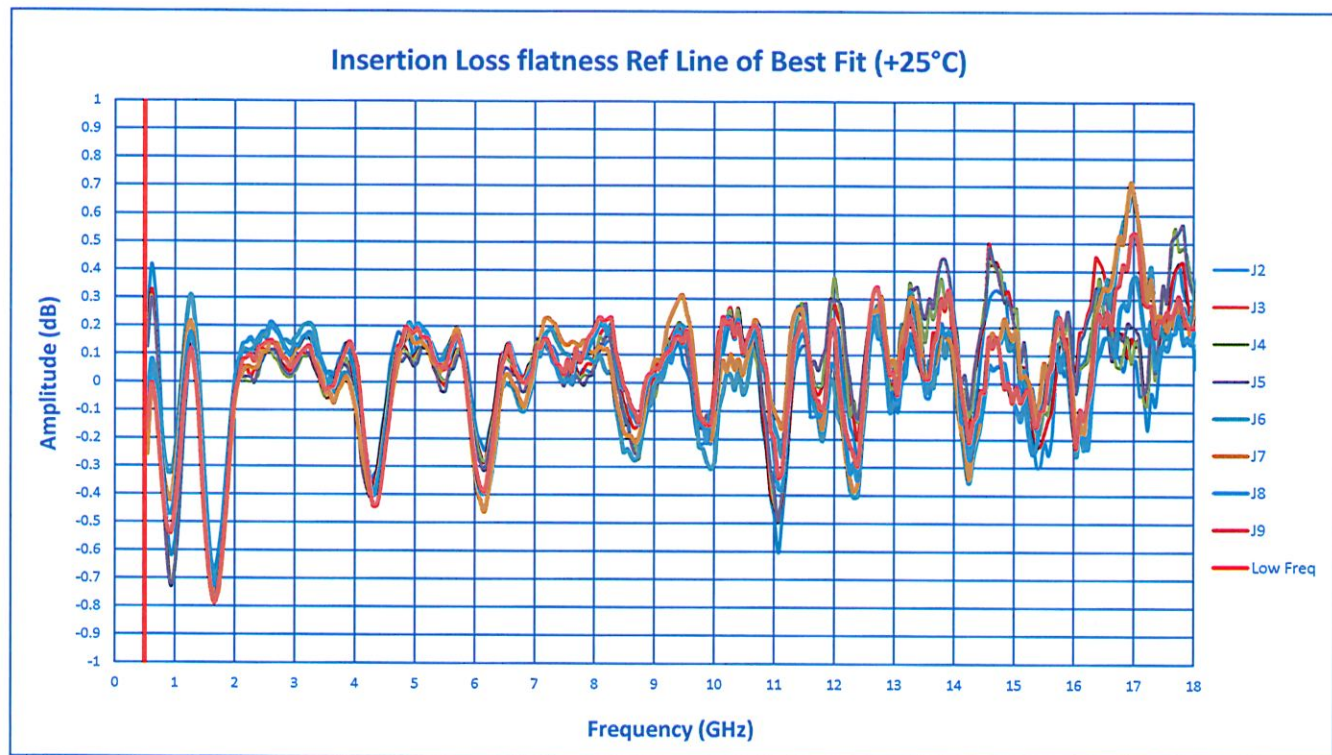
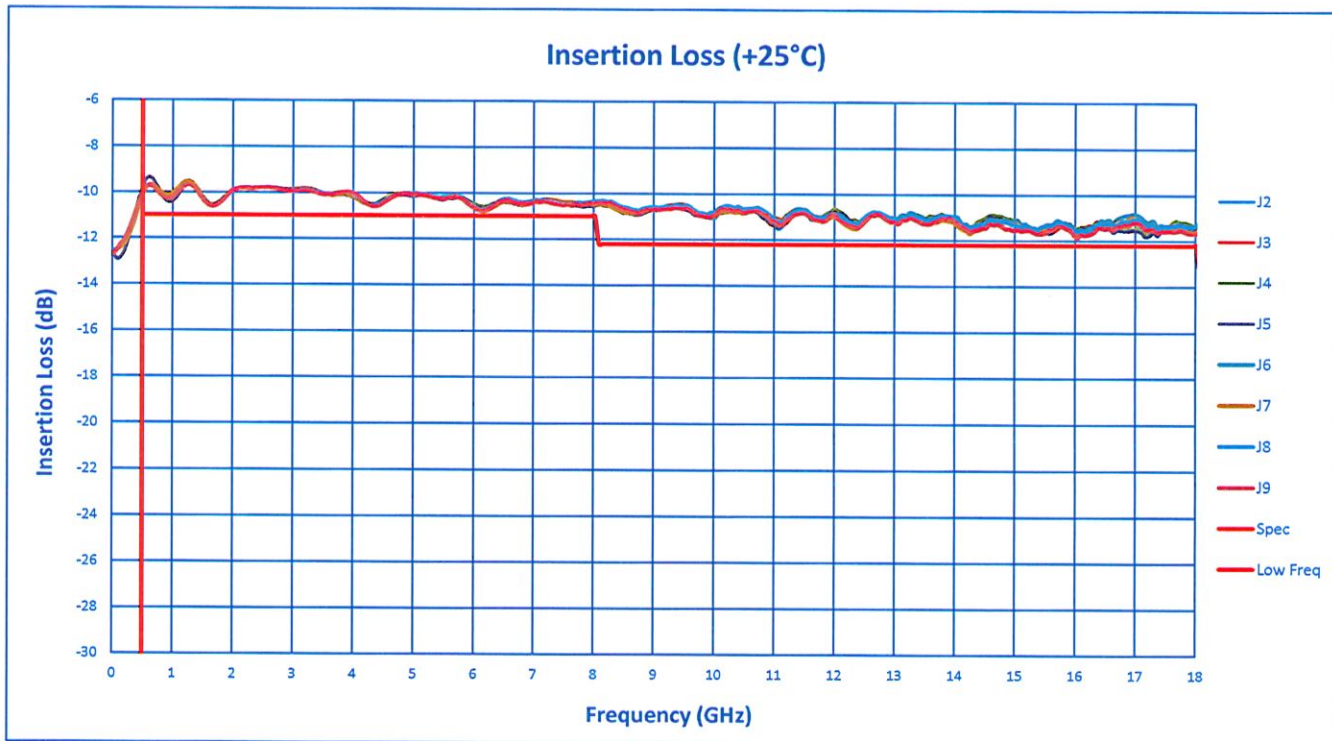
[Signature] PMI
QA 2

Date:

10/12/20

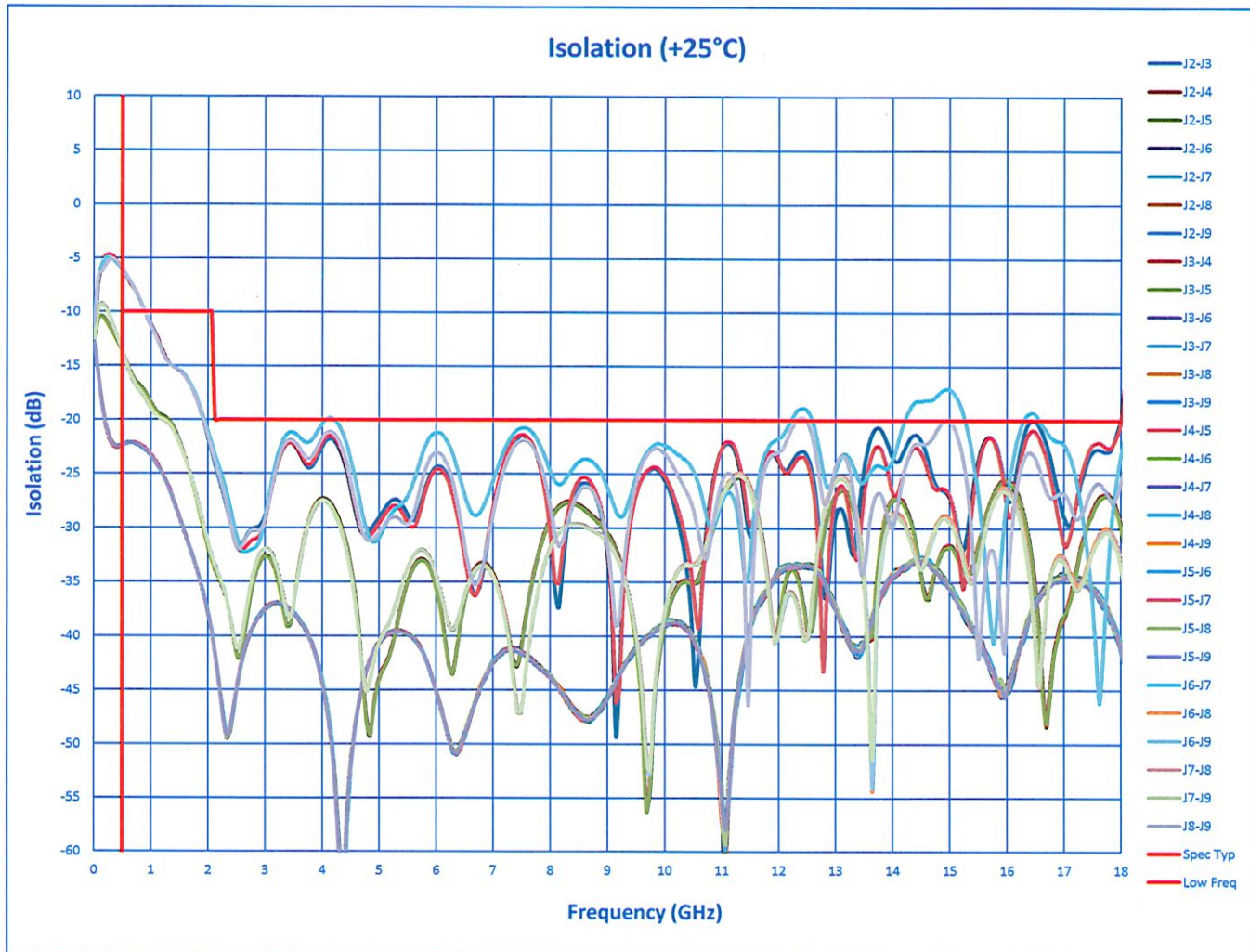


Typical Characteristics ON APD-8-0R518G-292FF





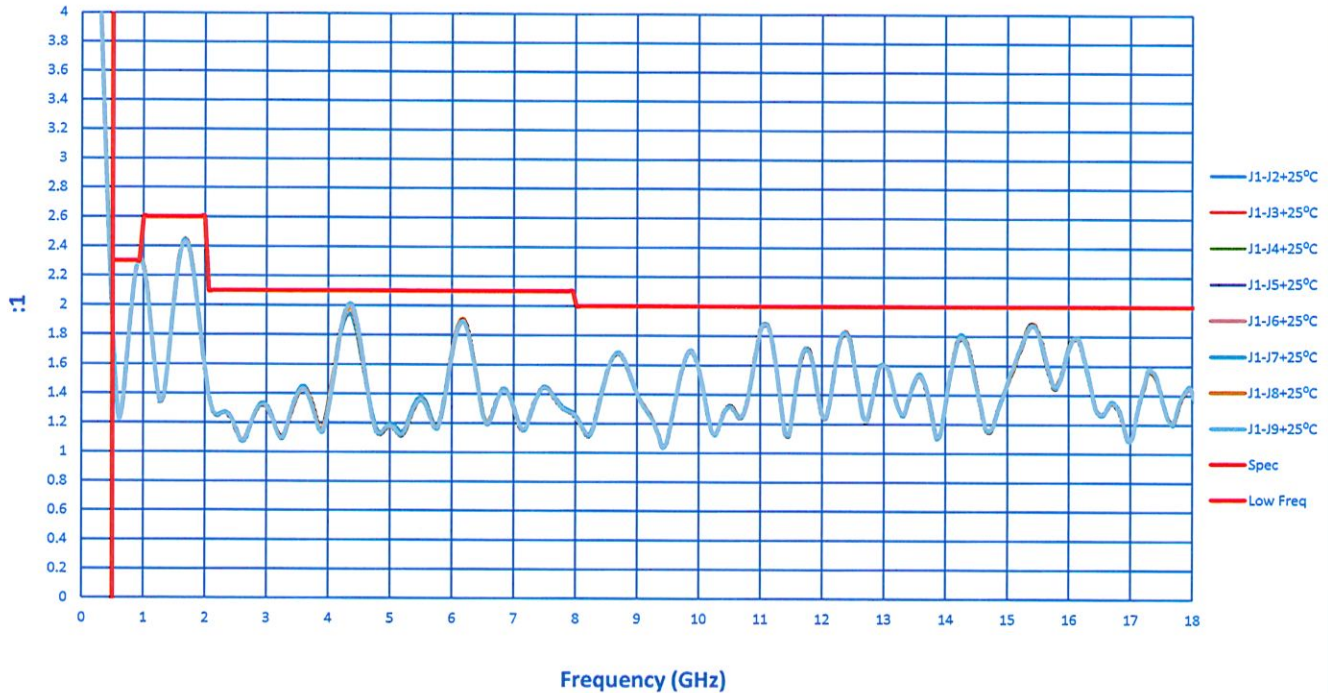
Typical Characteristics ON APD-8-0R518G-292FF



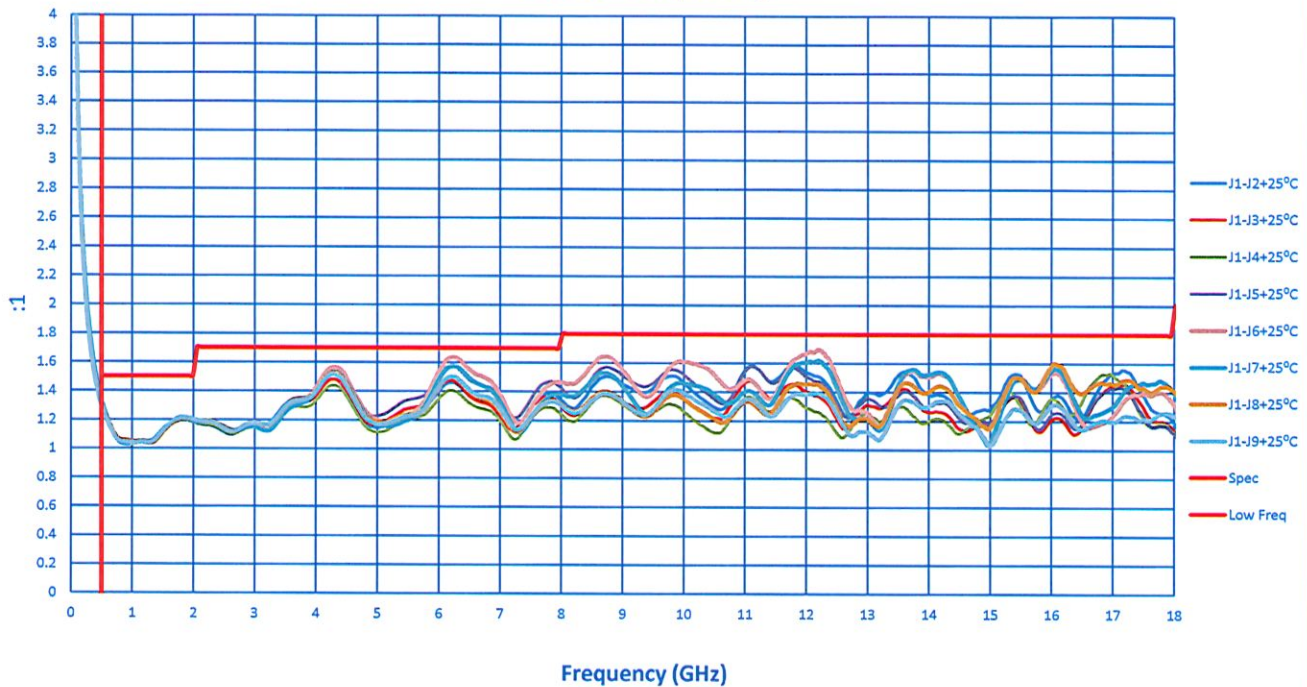


Typical Characteristics ON APD-8-0R518G-292FF

VSWR IN (+25°C)



VSWR OUT (+25°C)





Typical Characteristics ON APD-8-0R518G-292FF

