

**TYPICAL CHARACTERISTICS
ON
PDC-1G40G-292FF-50W**

PMI MODEL NO. PDC-1G40G-292FF-50W IS A 1.0 GHz TO 40 GHz DUAL DIRECTIONAL COUPLER.

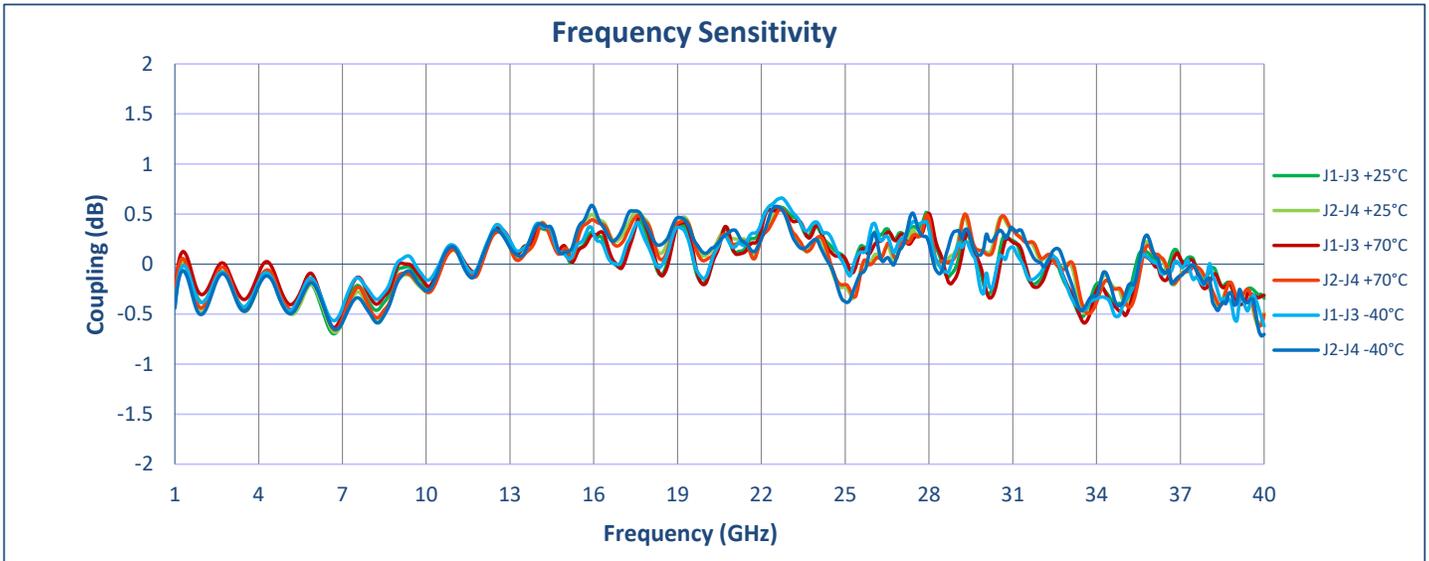
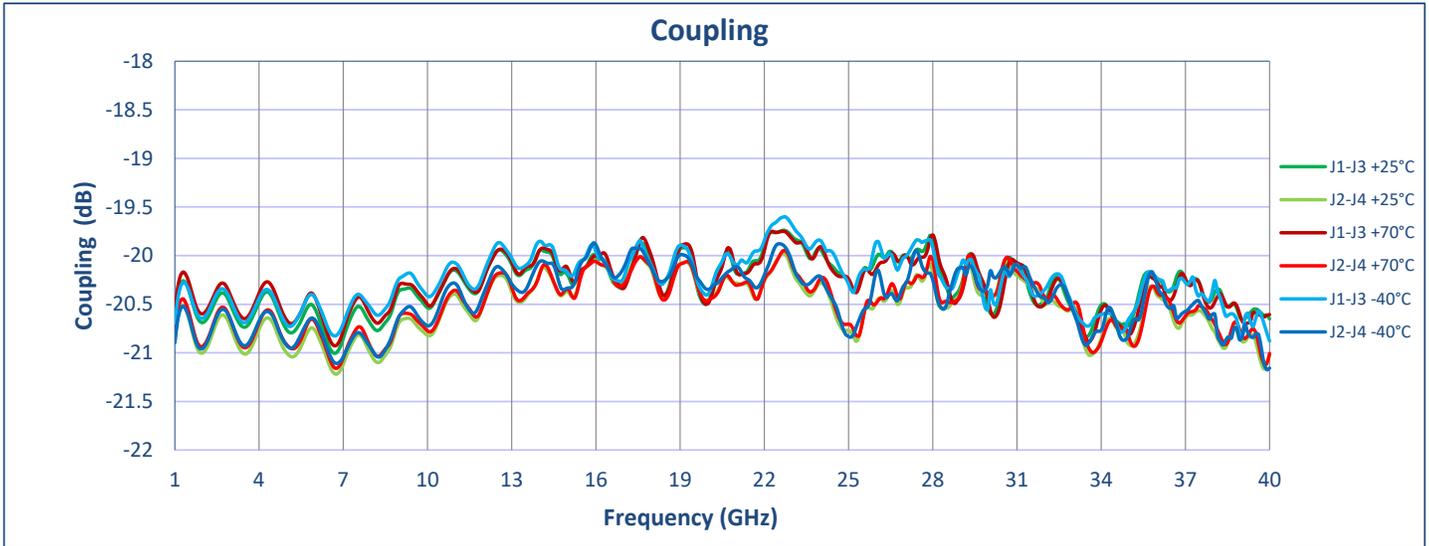


TESTED BY: K. CRAVEN
REPORTED BY: V. PRATAP
DATE: 12/17/2025

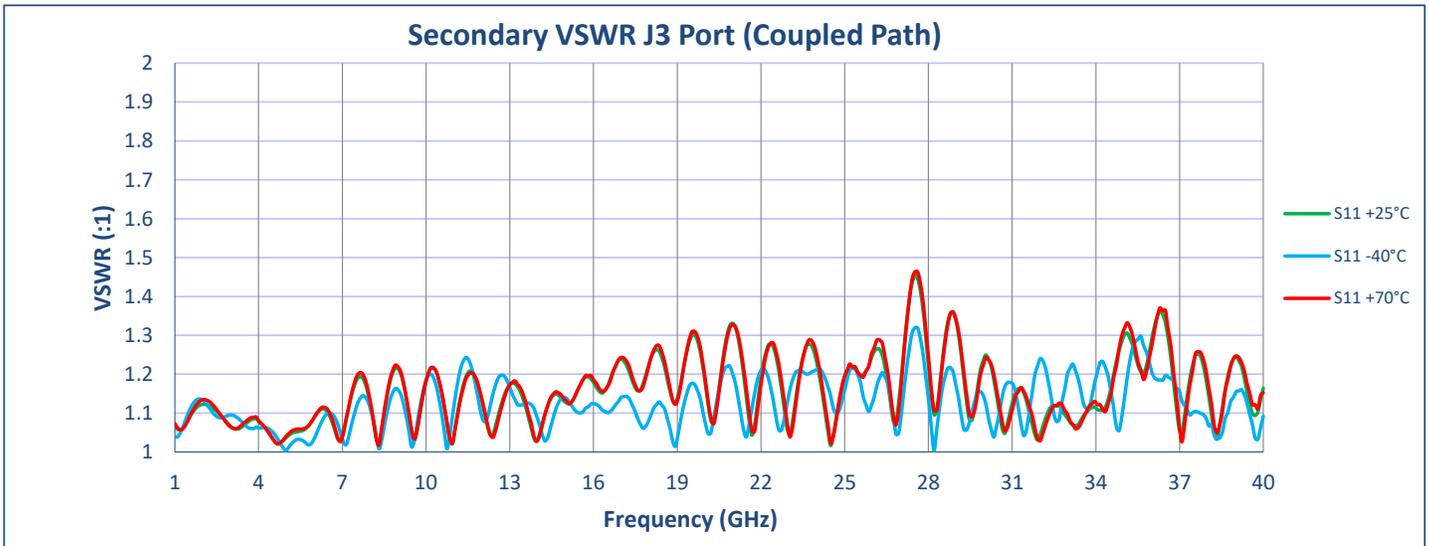
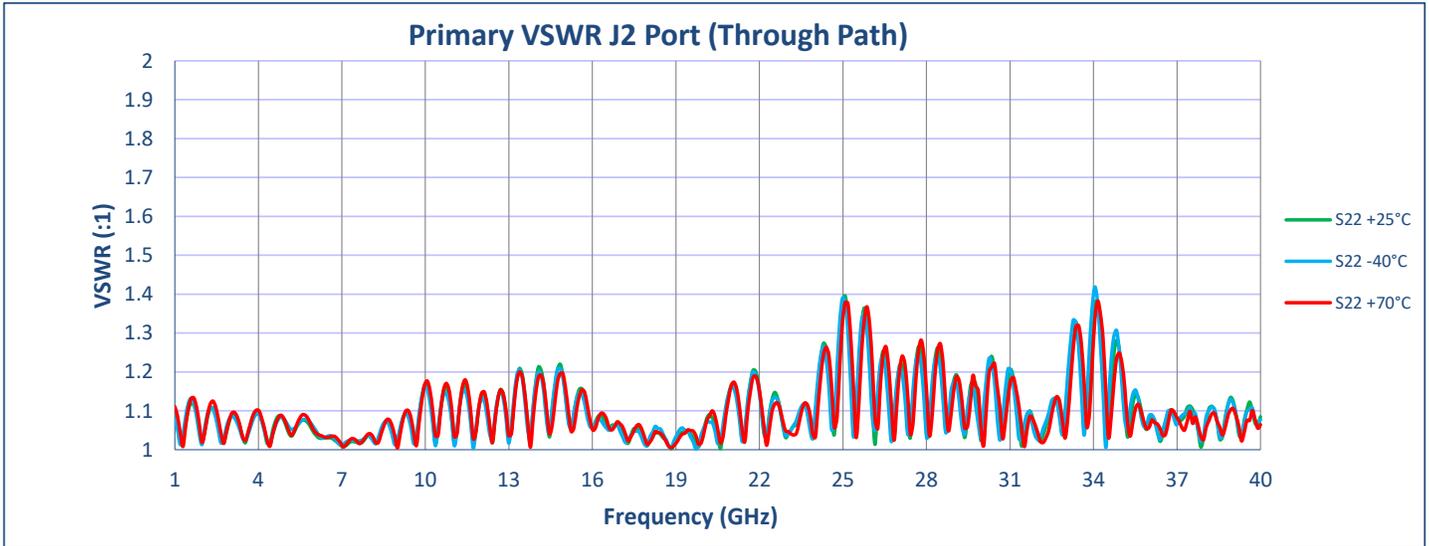
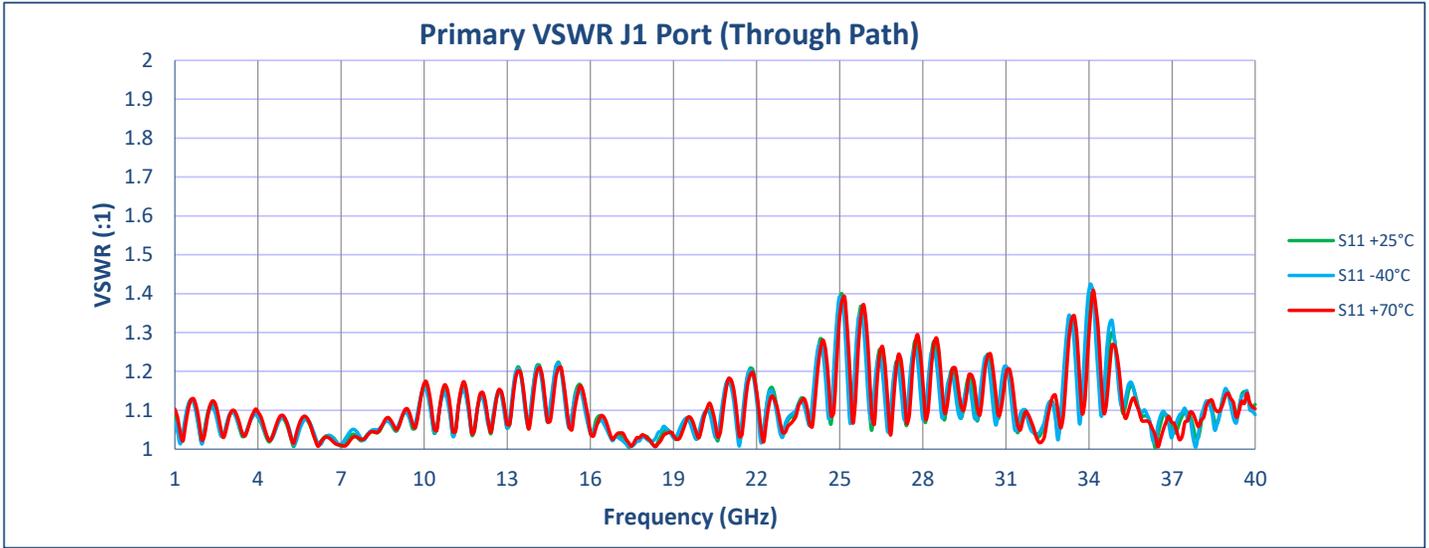
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TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-40°C	+25°C	+70°C
1	Frequency Range	1.0 to 40.0 GHz	1.0 to 40.0 GHz		
2	Nominal Coupling	20 dB	19.6 dB to 21.2 dB	19.7 dB to 21.2 dB	19.8 dB to 21.2 dB
3	Frequency Sensitivity	±1.2 dB Max.	±0.65 dB	±0.63 dB	±0.61 dB
4	Directivity	10 dB Min.	13 dB	11.1 dB	10.3 dB
5	Insertion Loss	2.8 dB Max. (Excluding Coupling Loss of 0.08)	1.67 dB	1.81 dB	2.02 dB
6	VSWR Primary	1.7:1 Max.	1.42:1	1.4:1	1.41:1
7	VSWR Secondary	1.7:1 Max	1.41:1	1.45:1	1.46:1
8	Power Handling	50 Watt (Forward Power)	50 W Tested Up To 18 GHz	50 W Tested Up To 18 GHz	50 W Tested Up To 18 GHz

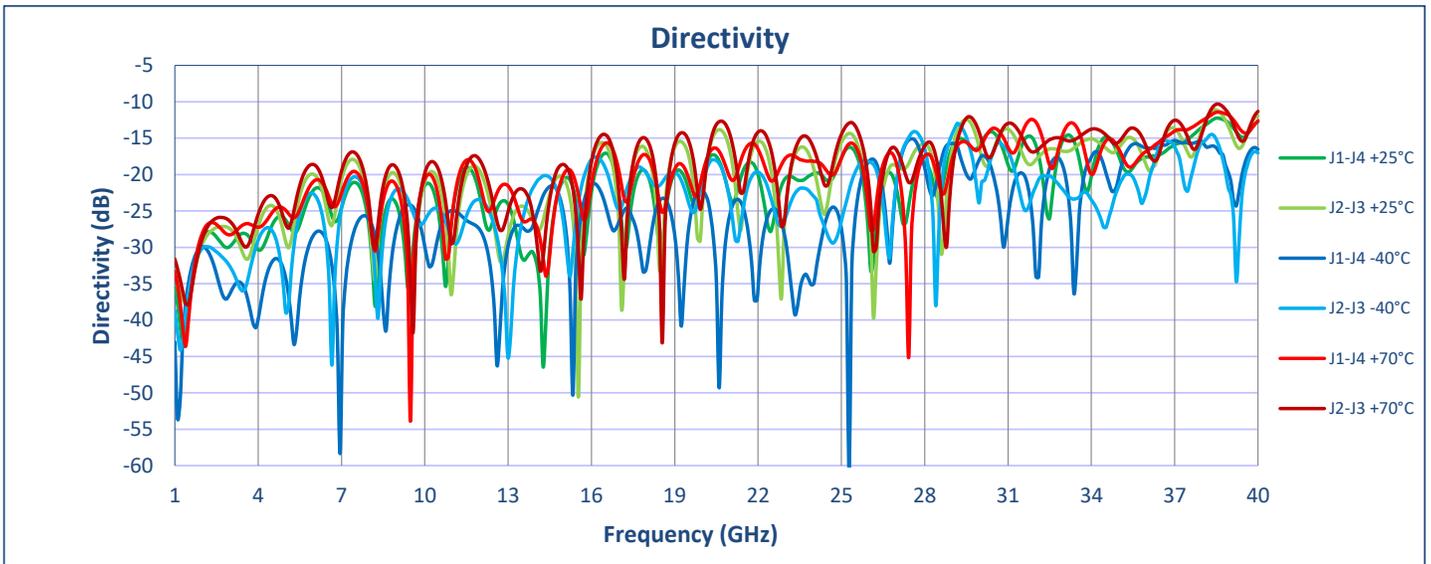
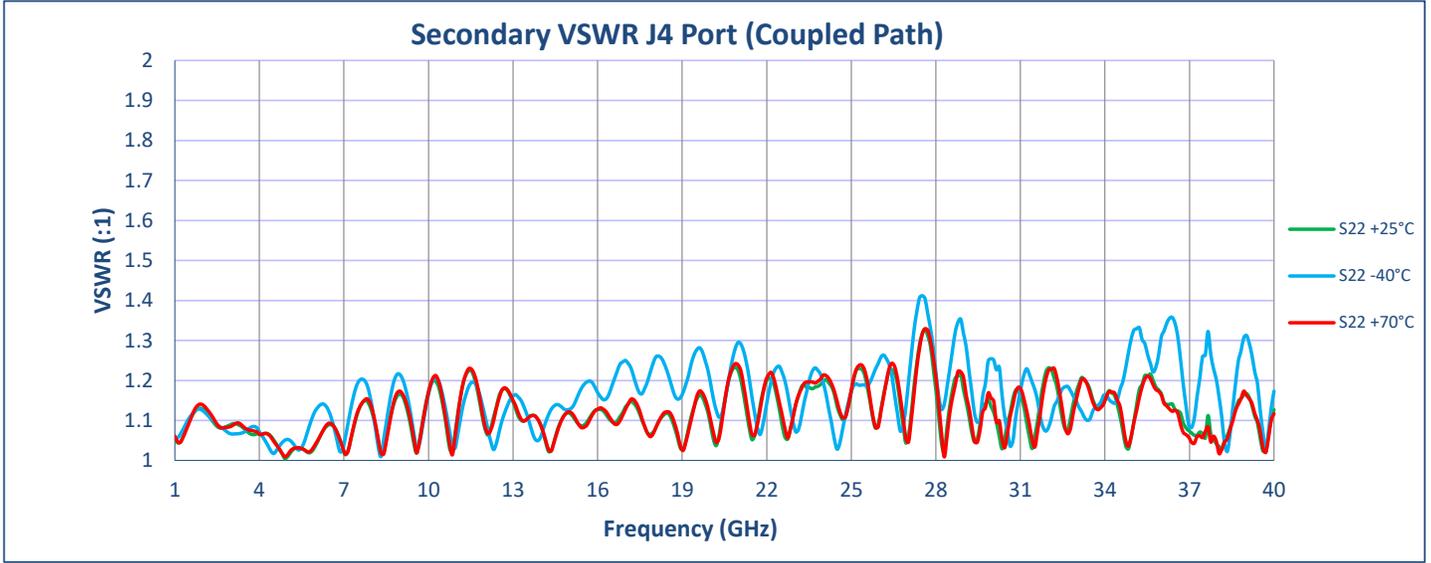
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