

TESTED BY: E. KRETZ
REPORTED BY: V. PRATAP
DATE: 01/12/2026

TYPICAL CHARACTERISTICS ON APD-8-2D9G3D5G-SMA-40W

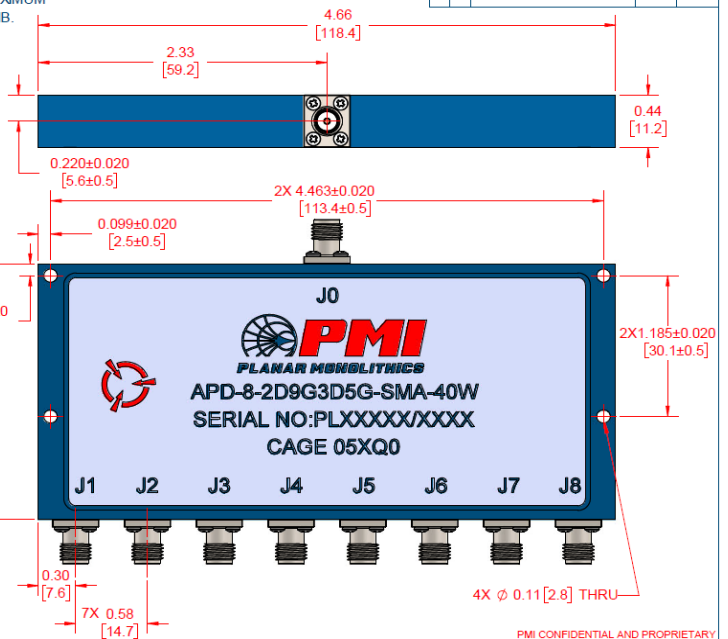
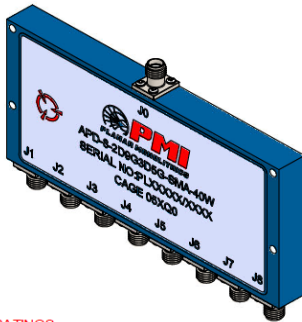
PRODUCT FEATURE

DESCRIPTION:

PMI MODEL NUMBER APD-8-2D9G3D5G-SMA-40W IS AN 8-WAY POWER DIVIDER OPERATING OVER THE 2.9 TO 3.5 GHz FREQUENCY RANGE. THIS POWER DIVIDER DEMONSTRATES A MAXIMUM INSERTION LOSS OF 0.6 dB (ABOVE 9.03 dB SPLIT), AND A MINIMUM ISOLATION OF 22 dB.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 2.9 TO 3.5 GHz
- INSERTION LOSS:..... 0.6 dB MAX
(ABOVE 9.03 dB SPLIT)
- VSWR:..... INPUT: 1.35 :1 MAX
OUTPUT: 1.22:1 MAX
- ISOLATION:..... 22 dB MIN.
- AMPLITUDE BALANCE:..... ±0.2 dB MAX
- PHASE BALANCE:..... ±2° MAX
- POWER HANDLING:..... FORWARD 40 W MAX
REVERSED 1 W MAX
- PORT CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
- HUMIDITY:..... UP TO 95%, NON-CONDENSING
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

CON#	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/20/2020	

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	TITLE
DESIGN	V. PRATAP	10/20/2020	OUTLINE
ISSUED			
SIZE	B	FORM NO.	27053240
SCALE	1:1		

7309-A GROVE ROAD FREDERICK, MD 21704 USA
 WWW.QUANTICPMI.COM
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APD-8-2D9G3D5G-SMA-40W
 05XQD
 27053240
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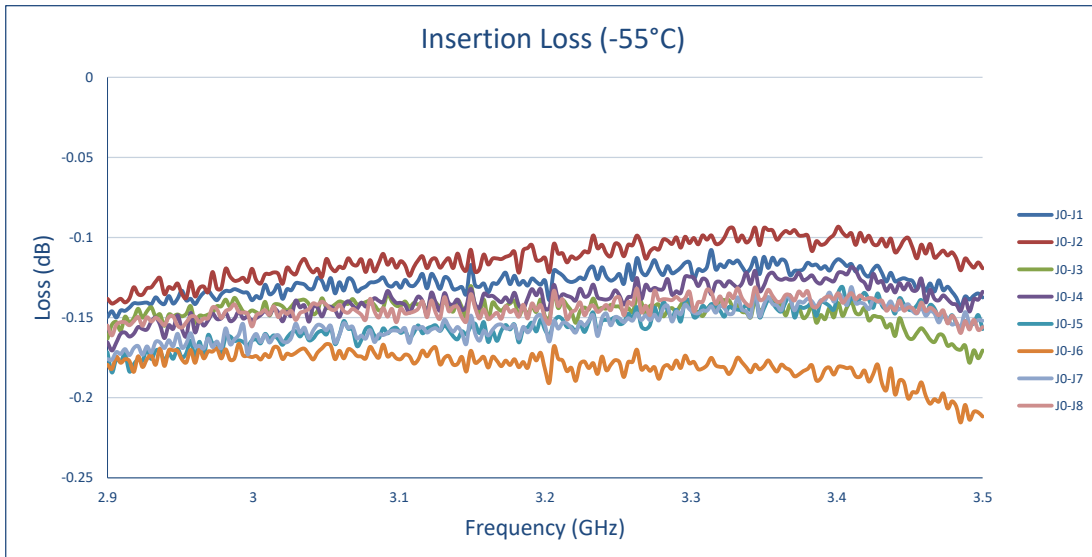
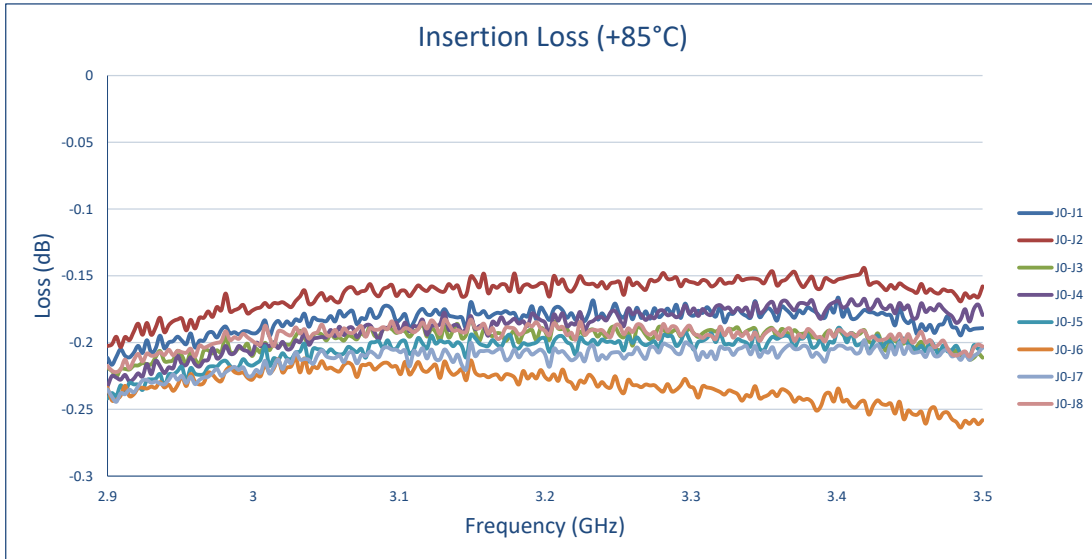
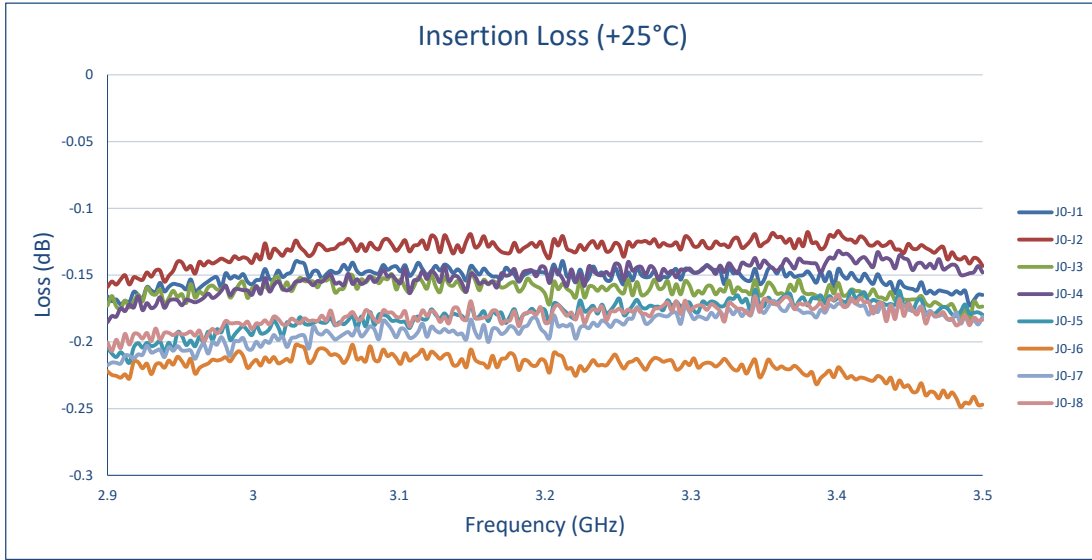
SHEET 1 OF 1

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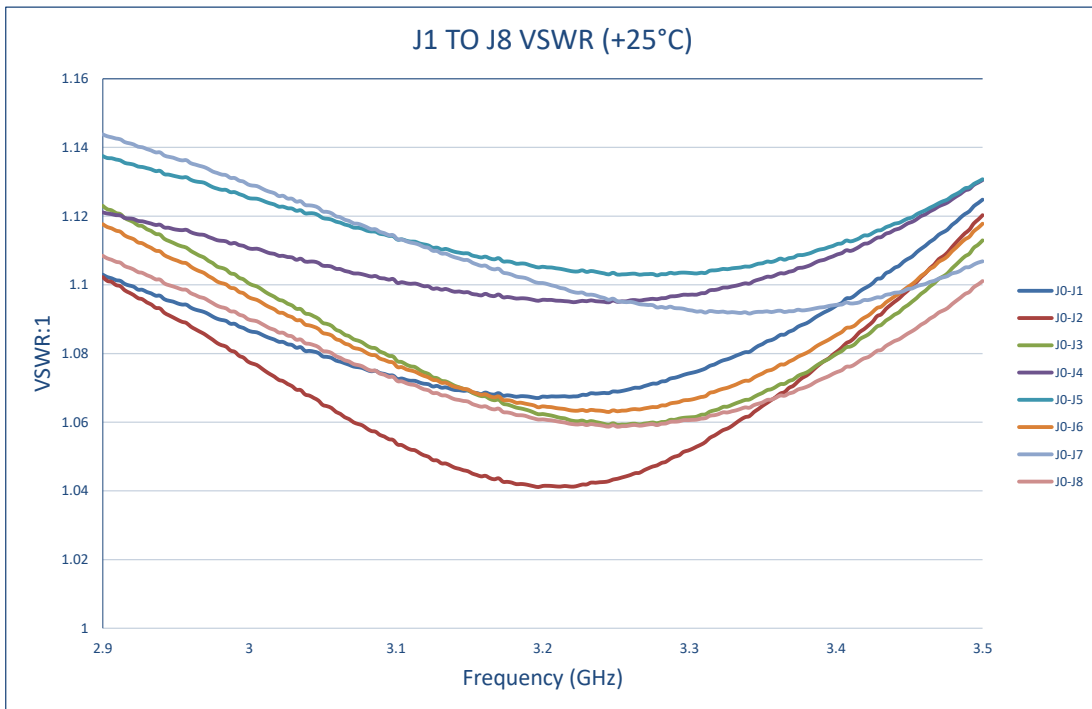
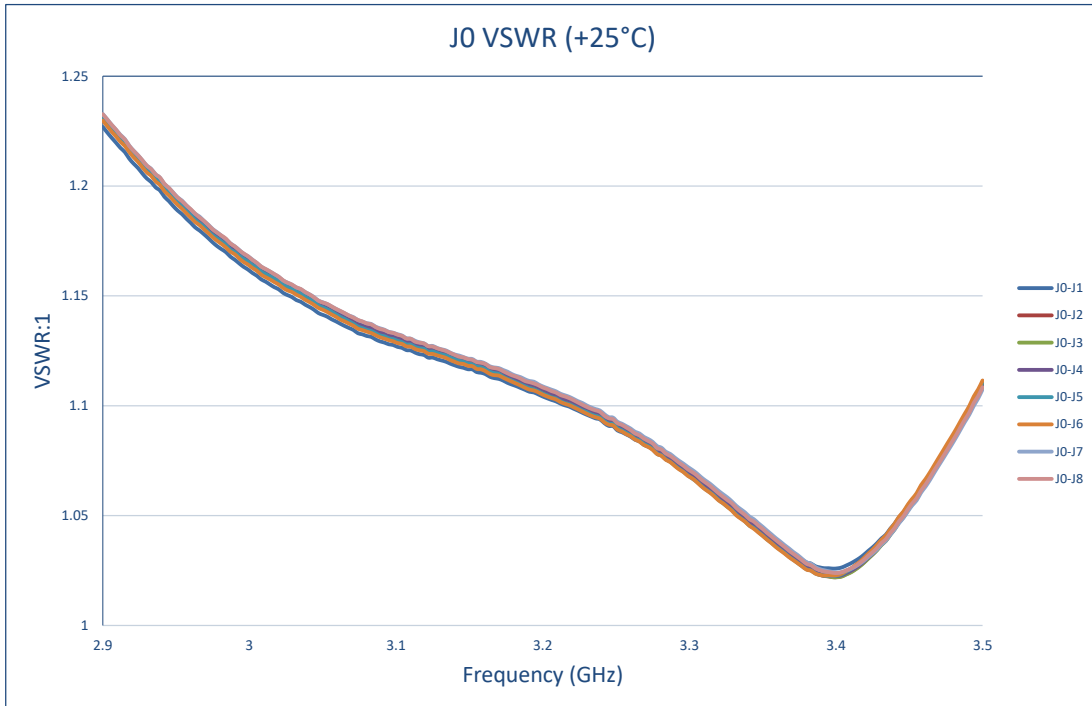
PRODUCT SPECIFICATIONS

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			-55°C	+25°C	+85°C
1	Frequency Range	2.9 GHz – 3.5 GHz	2.9 GHz – 3.5 GHz		
2	Insertion Loss	0.6 dB MAX (ABOVE 9.03 dB SPLIT)	0.22 dB See Graph	0.25 dB See Graph	0.26 dB See Graph
3	VSWR	INPUT: 1.35:1 MAX	1.23:1 See Graph	1.23:1 See Graph	1.25:1 See Graph
		OUTPUT: 1.22:1 MAX	1.16:1 See Graph	1.14:1 See Graph	1.17:1 See Graph
4	Isolation	22 dB MIN	26 dB See Graph	25 dB See Graph	25 dB See Graph
5	Amplitude Balance	±0.2 dB MAX	0.04 dB MAX See Graph	0.05 dB MAX See Graph	0.05 dB MAX See Graph
			-0.06 dB MIN See Graph	-0.07 dB MIN See Graph	-0.06 dB MIN See Graph
6	Phase Balance	±2.0° MAX	0.62° MAX See Graph	0.34° MAX See Graph	0.33° MAX See Graph
			-0.62° MIN See Graph	-0.34° MIN See Graph	-0.33° MIN See Graph
7	Power Handling	Forward: 40 W MAX Reversed: 1 W MAX	Forward: 40 W Reversed: 1 W See Graph	Forward: 40 W Reversed: 1 W See Graph	Forward: 40 W Reversed: 1 W See Graph

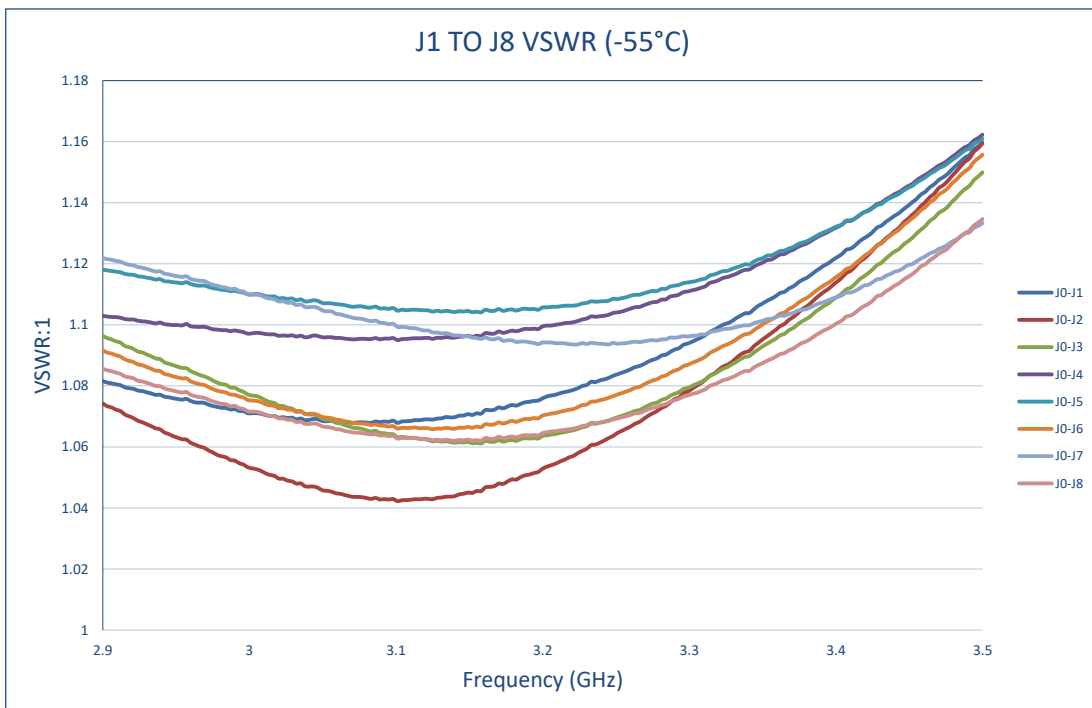
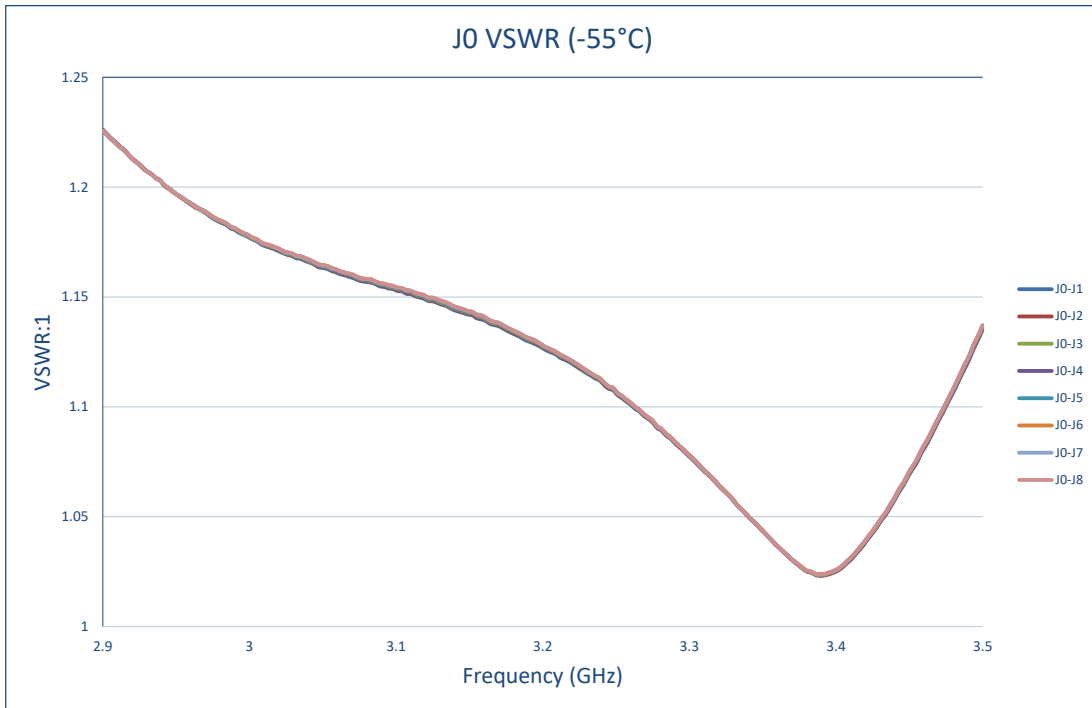
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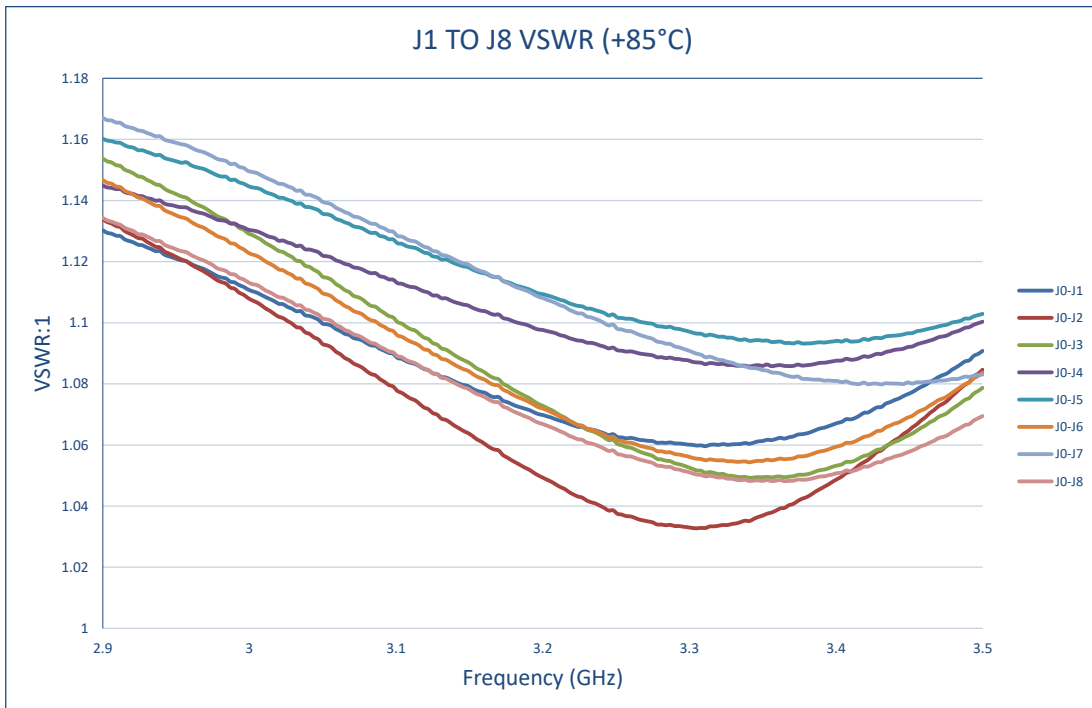
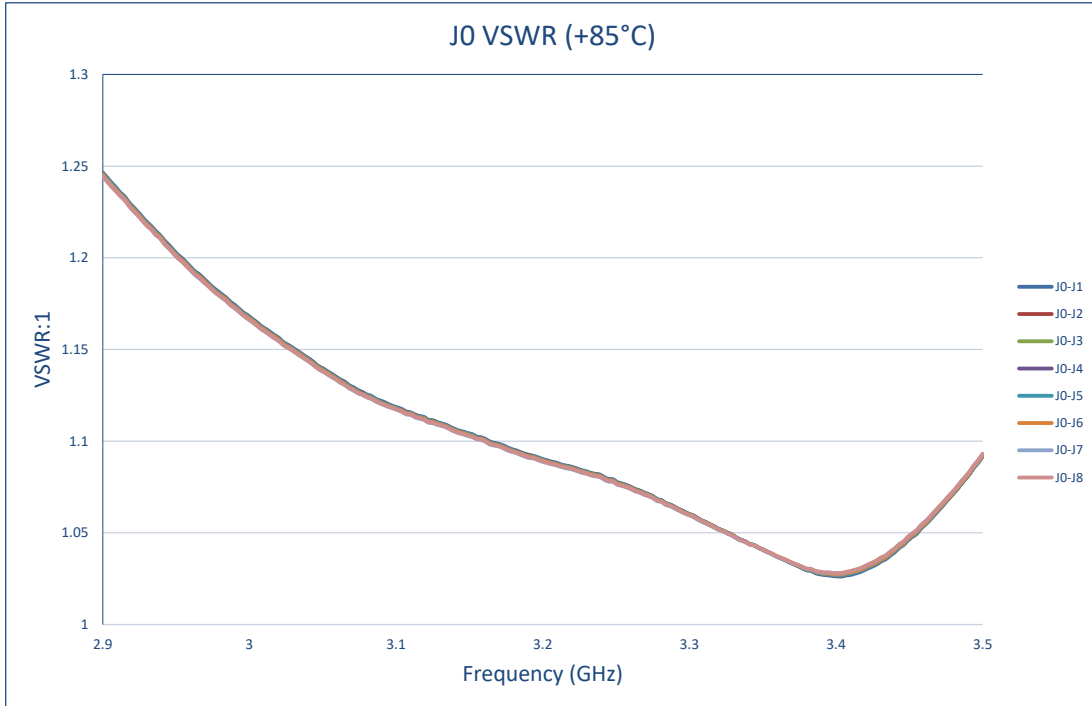
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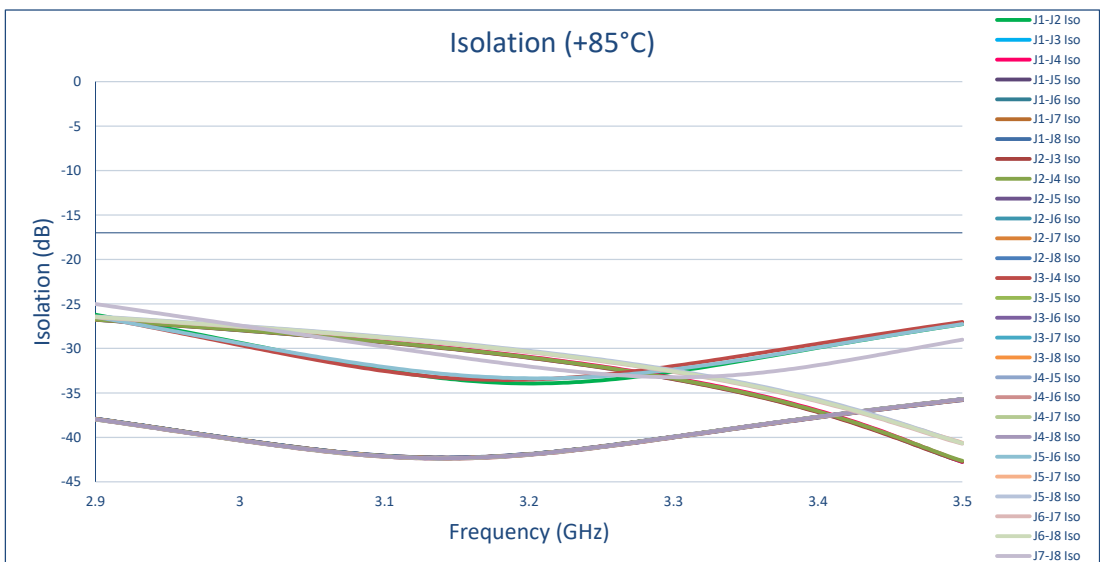
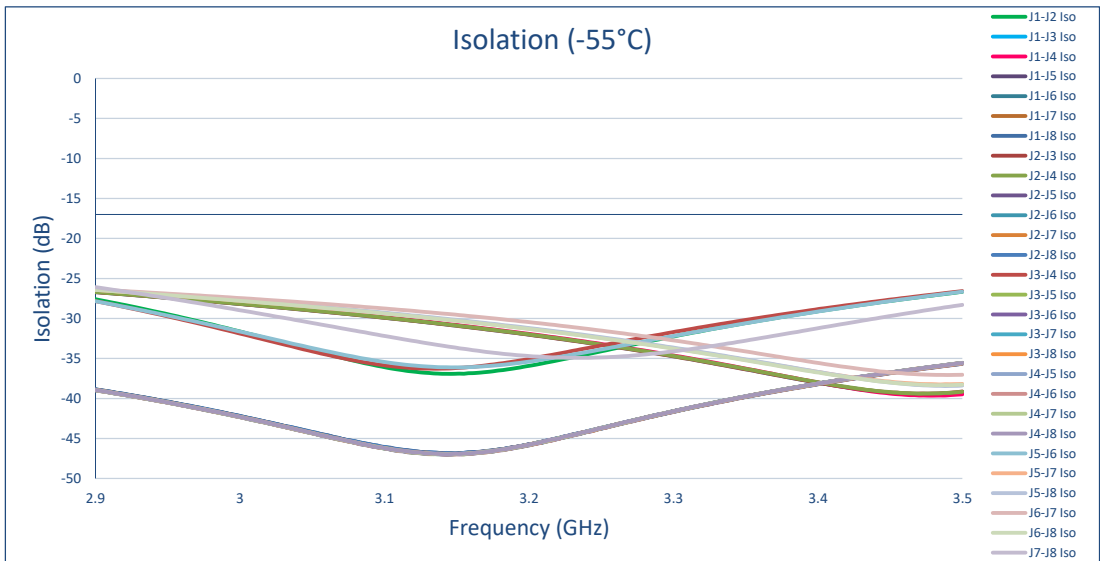
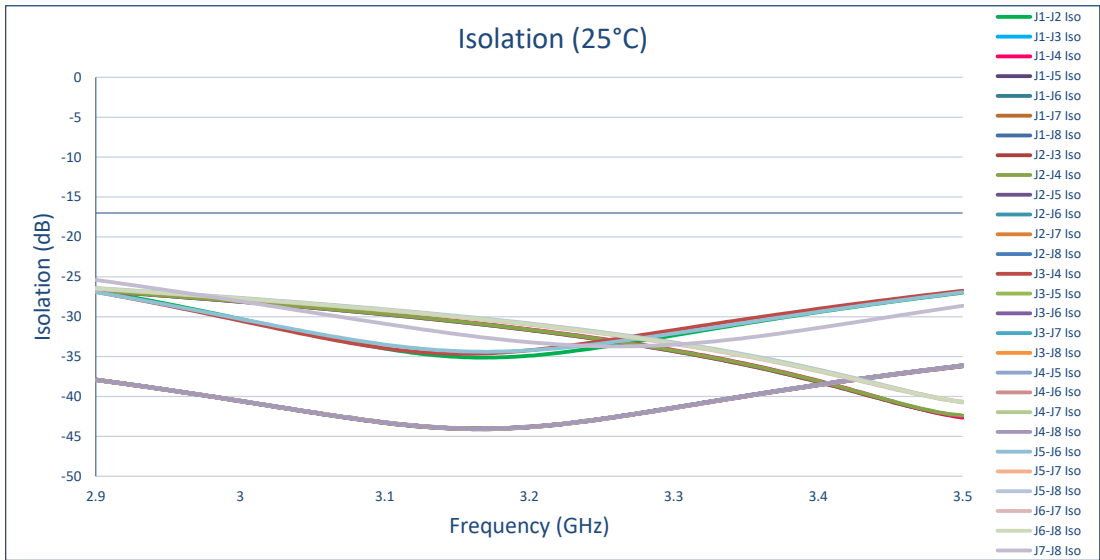


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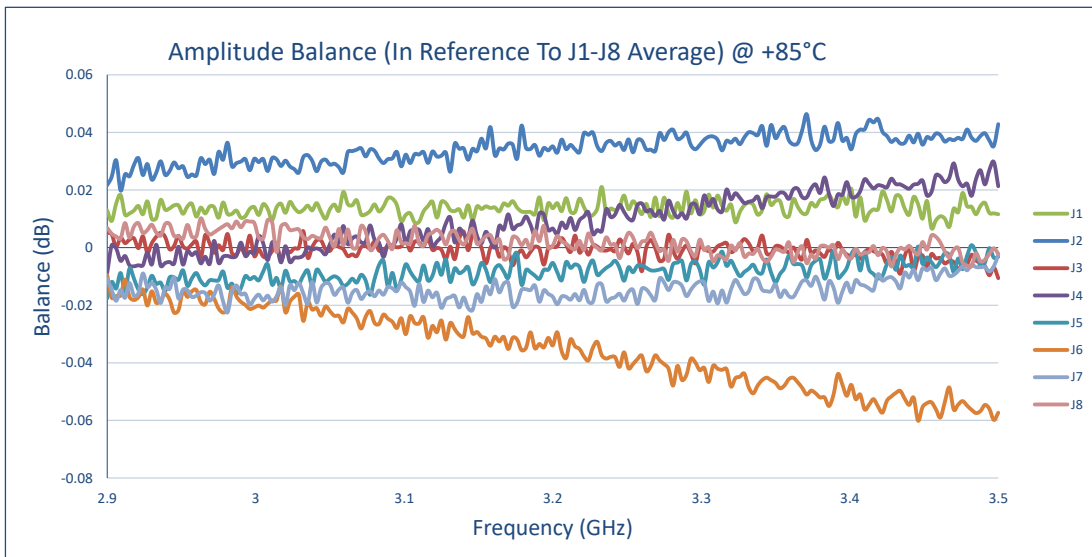
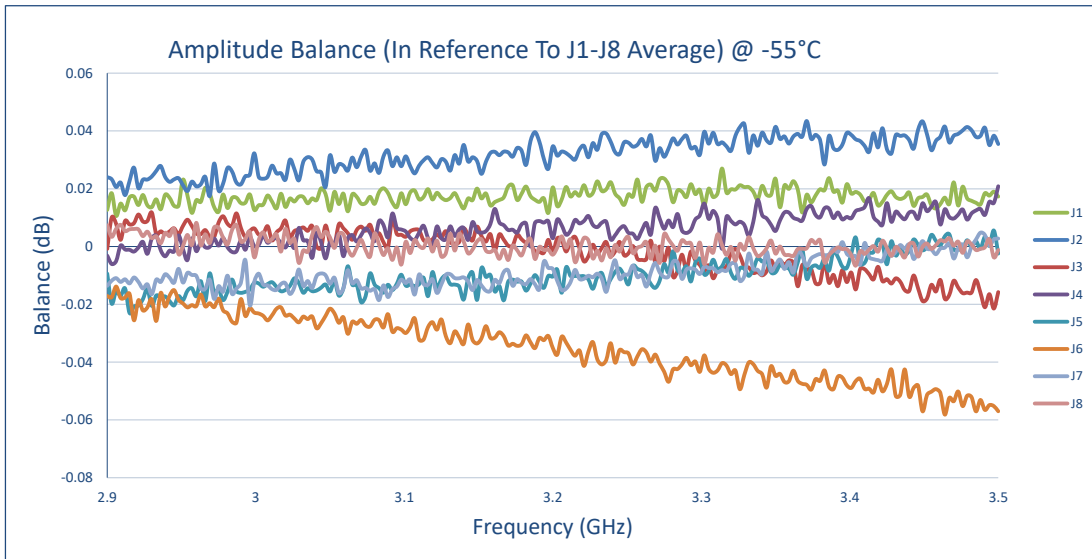
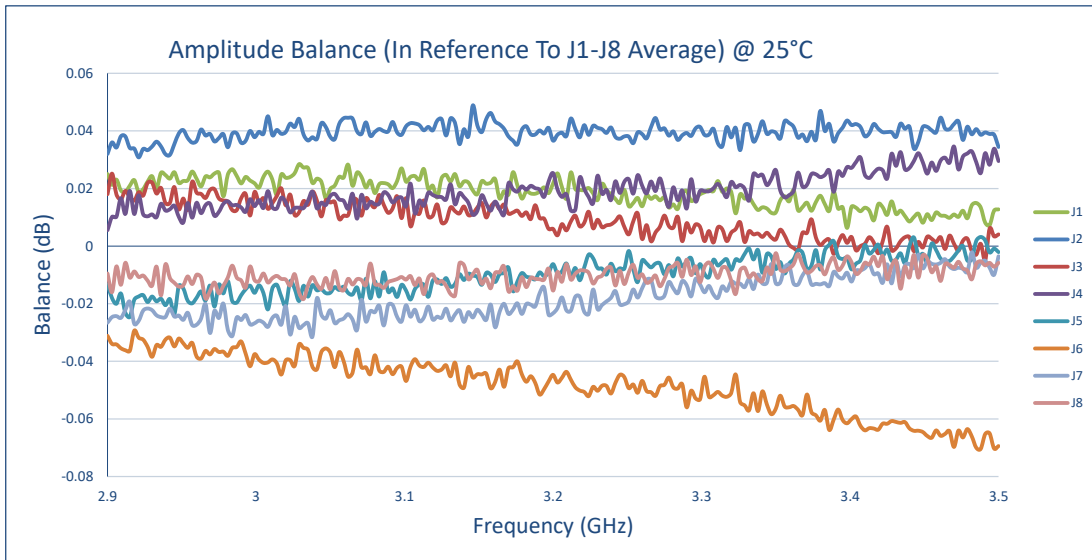




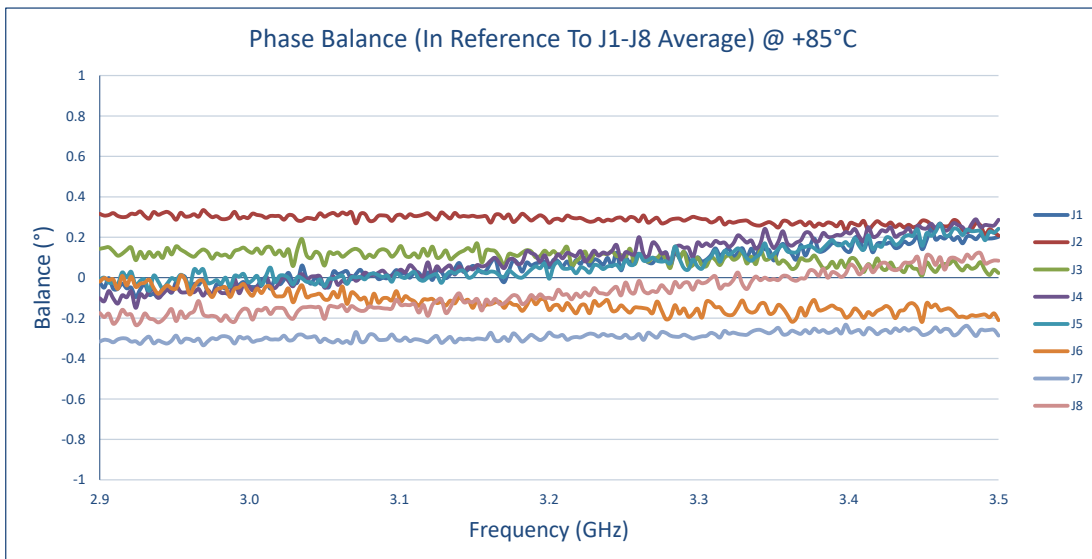
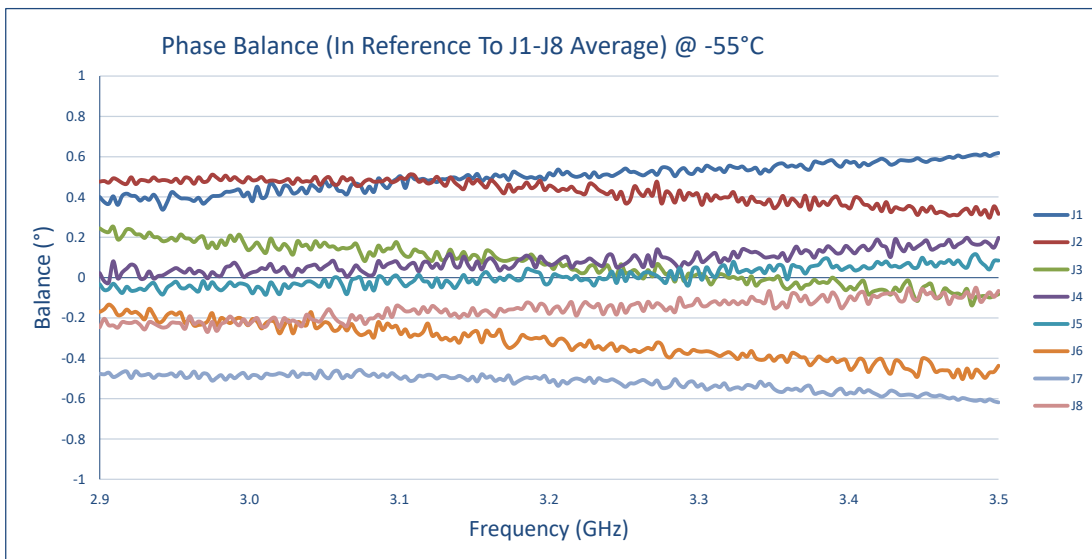
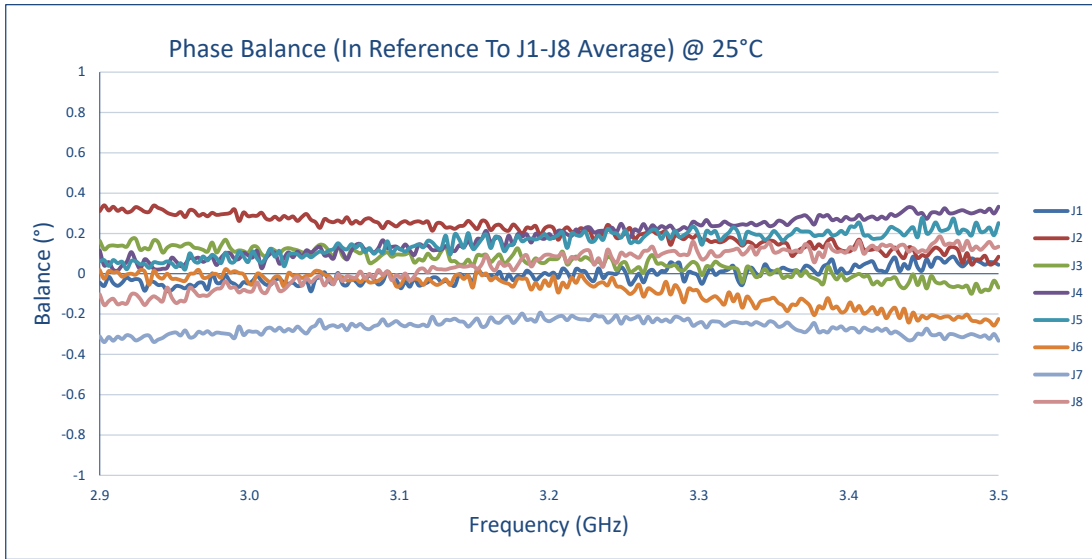
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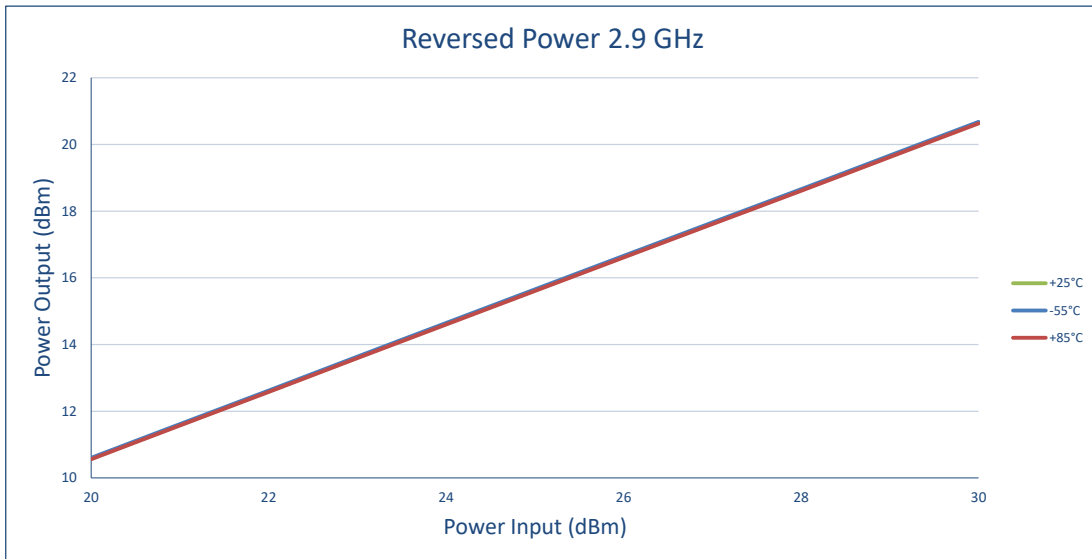
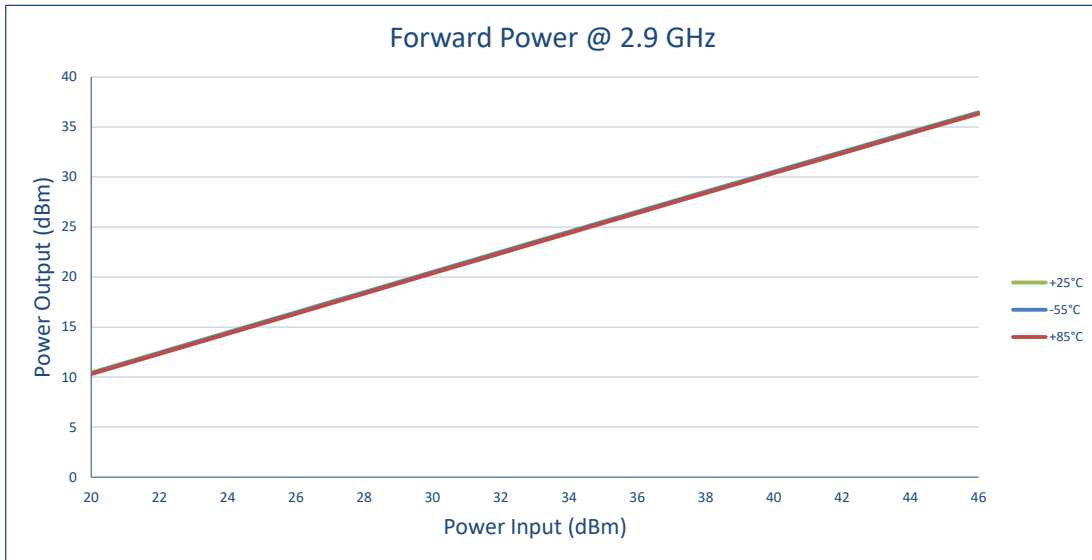
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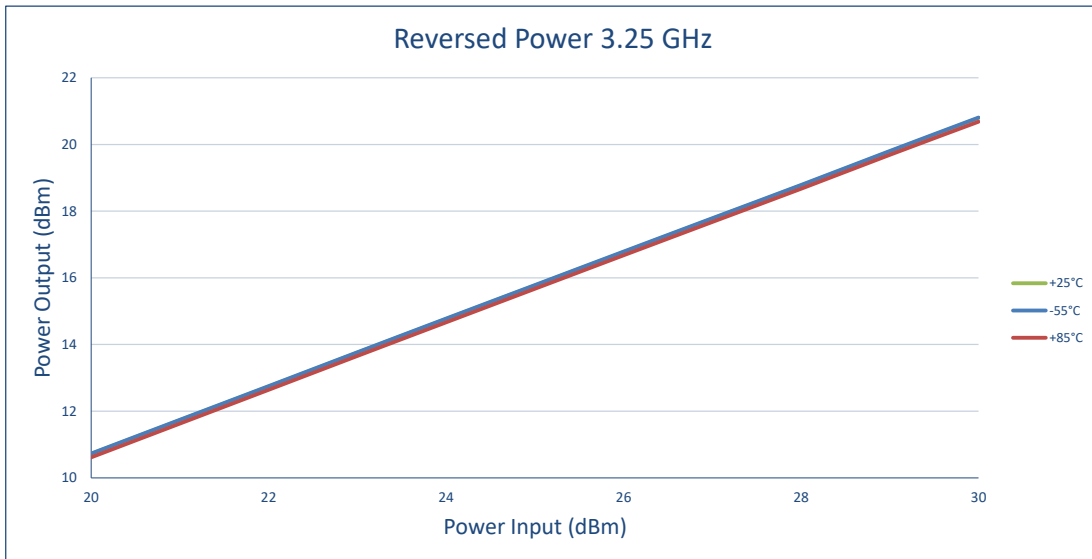
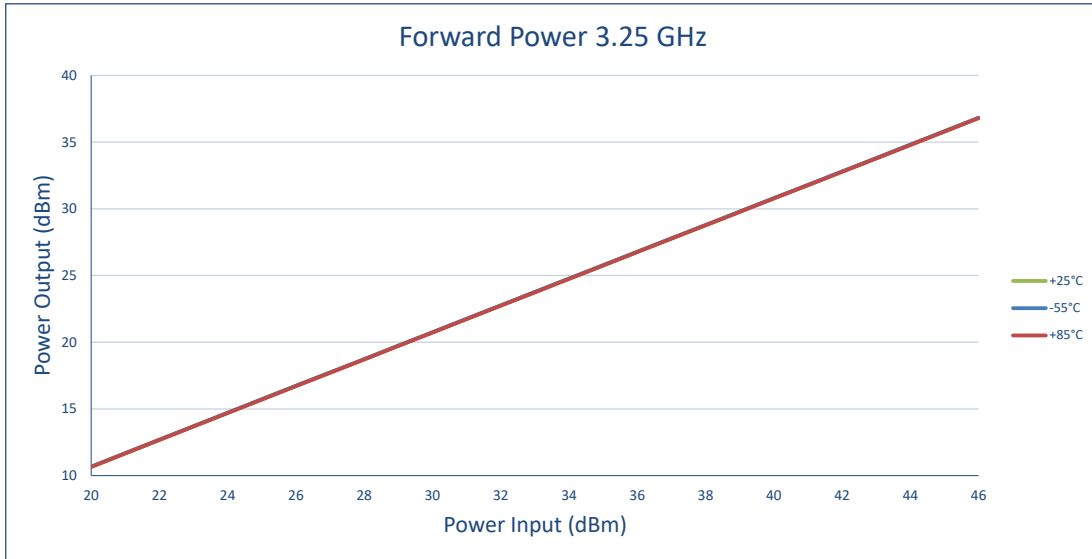
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