

TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



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

TYPICAL CHARACTERISTICS ON APD-2-2D93D5-40W-SFF

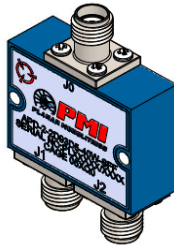
PRODUCT FEATURE

DESCRIPTION:

PMI MODEL NUMBER APD-2-2D93D5-40W-SFF A 2-WAY POWER DIVIDER OPERATING OVER THE 2.9 TO 3.5 GHz FREQUENCY RANGE. THIS POWER DIVIDER DEMONSTRATES A MAXIMUM INSERTION LOSS OF 0.25 dB (ABOVE 3.01 dB SPLIT) AND A MINIMUM ISOLATION OF 23 dB.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 2.9 TO 3.5 GHz
- INSERTION LOSS:..... 0.25 dB MAX
(ABOVE 3.01 dB SPLIT)
- VSWR:..... INPUT: 1.30:1 MAX
OUTPUT: 1.20:1 MAX
- ISOLATION:..... 23 dB MIN.
- AMPLITUDE BALANCE:..... ±0.1 dB MAX
- PHASE BALANCE:..... ±2° MAX
- POWER HANDLING:..... FORWARD 40 W MAX
REVERSED 1 W MAX
- PORT CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE

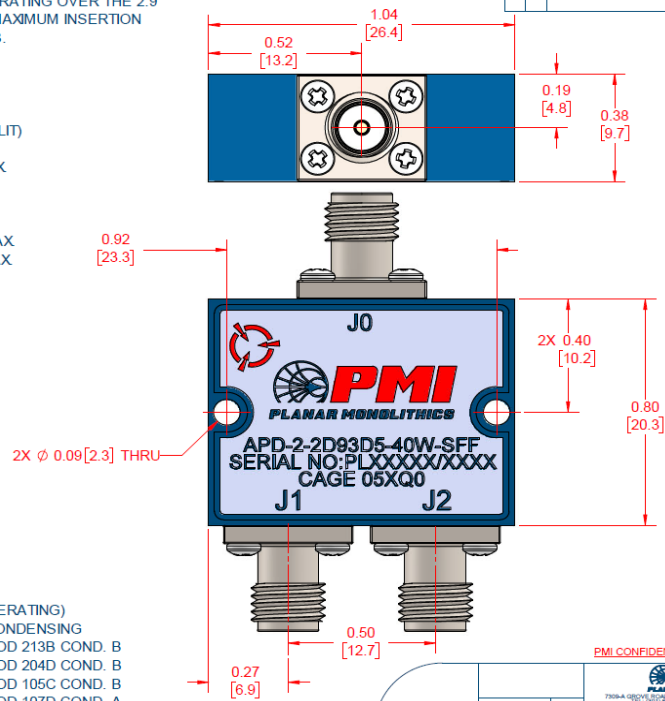


ENVIRONMENTAL RATINGS:

- 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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/27/2010	



PMI CONFIDENTIAL AND PROPRIETARY

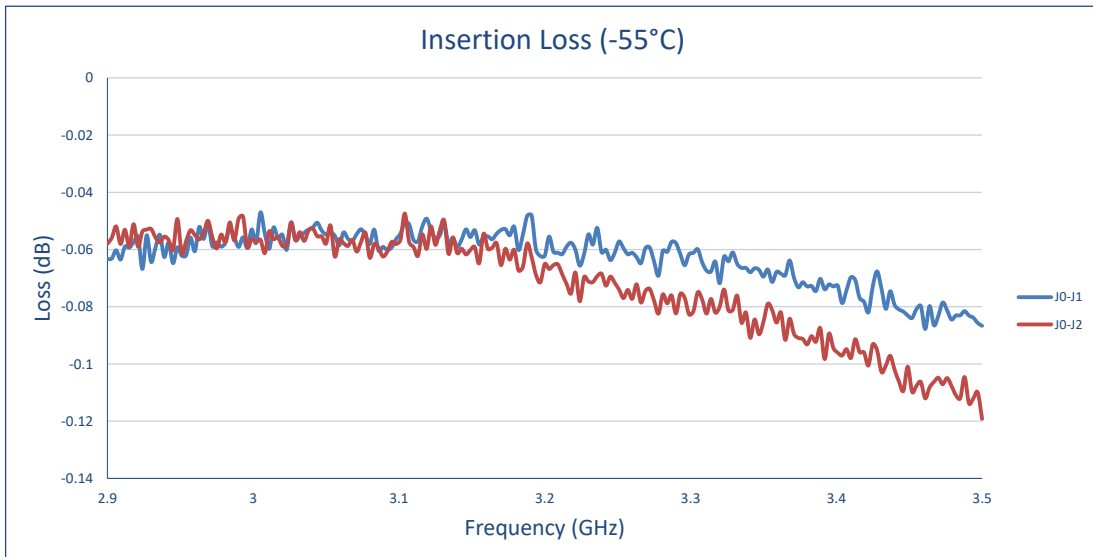
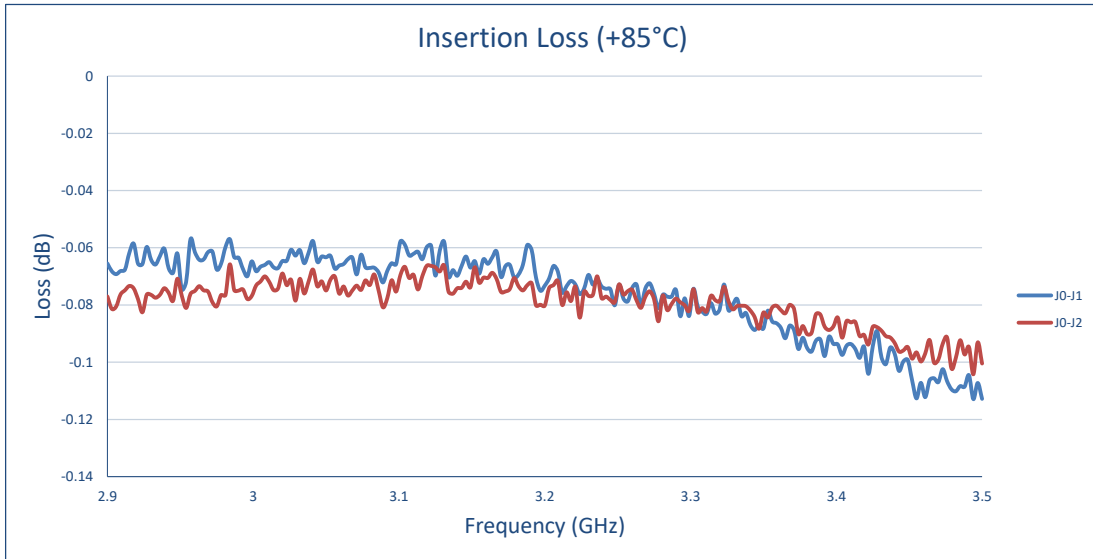
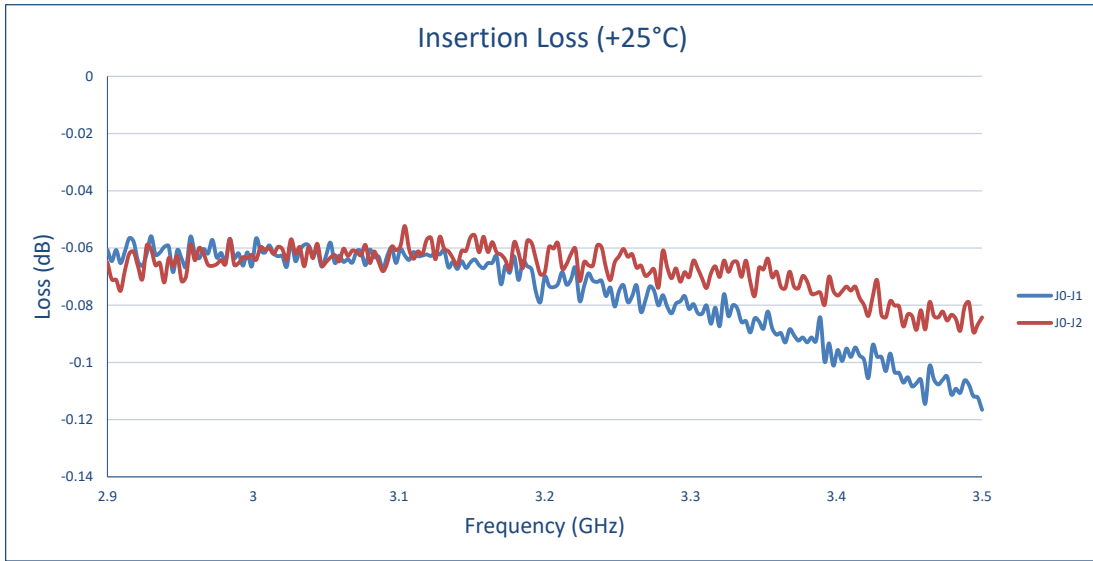
APPROVALS	DATE	TITLE
DESIGN: V. PRATAP		OUTLINE
DRAWN: NEDRAWN	10/27/2010	
<p>PMI PLANAR MONOLITHICS 7309-A GROVE ROAD, FREDERICK, MD 21704 USA WWW.WWW.QUANTICPMI.COM</p>		
ISSUED: B	FROM NO: 05XQ0	DWG NO: 27053260
SCALE: 2:1		REV: A1
		SHEET 1 OF 1

**TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF**

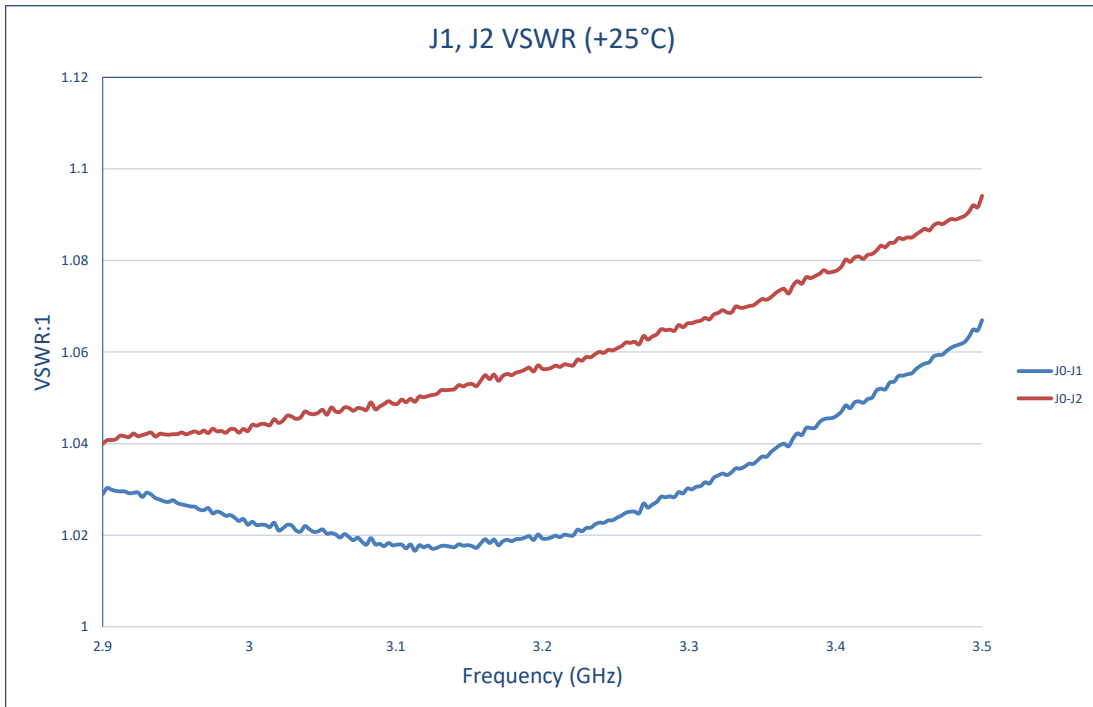
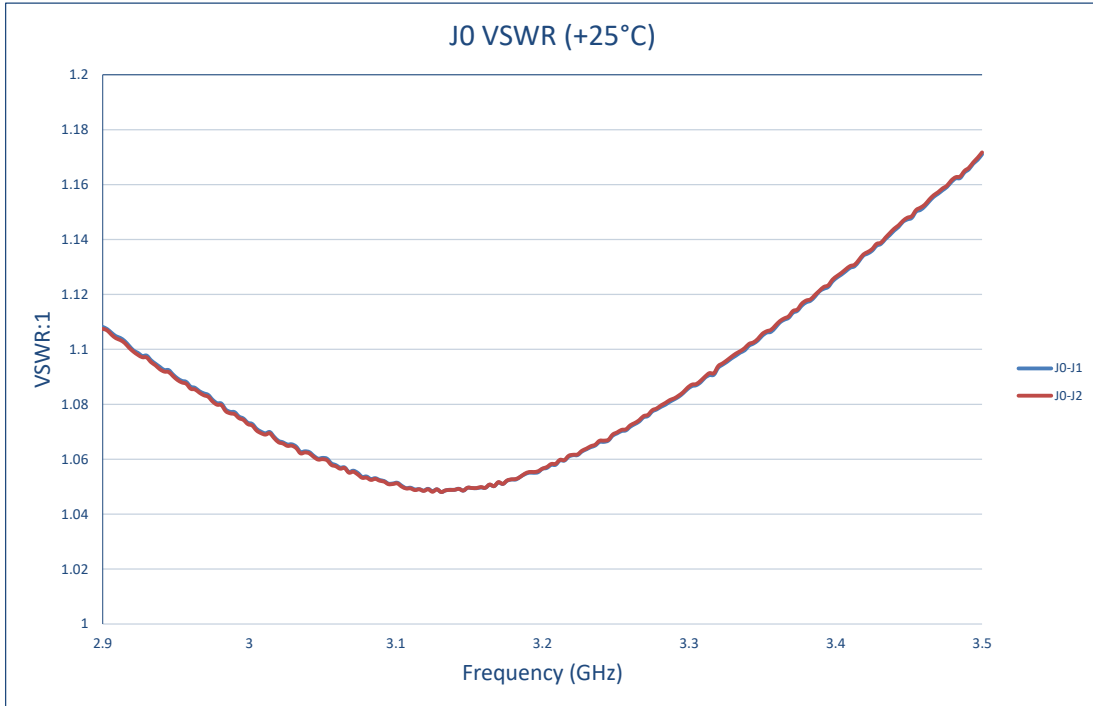
PRODUCT SPECIFICATIONS

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	0.25 dB MAX (ABOVE 3.01 dB SPLIT)	0.12 dB See Graph	0.12 dB See Graph	0.11 dB See Graph
3	VSWR	INPUT: 1.30:1 MAX	1.18:1 See Graph	1.17:1 See Graph	1.16:1 See Graph
		OUTPUT: 1.20:1 MAX	1.1:1 See Graph	1.09:1 See Graph	1.09:1 See Graph
4	Isolation	23 dB MIN	25 dB See Graph	24 dB See Graph	24 dB See Graph
5	Amplitude Balance	±0.1 dB MAX	0.02 dB MAX	0.02 dB MAX	0.01 dB MAX
			-0.02 dB MIN See Graph	-0.02 dB MIN See Graph	-0.01 dB MIN See Graph
6	Phase Balance	±2.0° MAX	0.16° MAX See Graph	0.05° MAX See Graph	0.07° MAX See Graph
			-0.16° MIN See Graph	-0.05° MIN See Graph	-0.07° 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

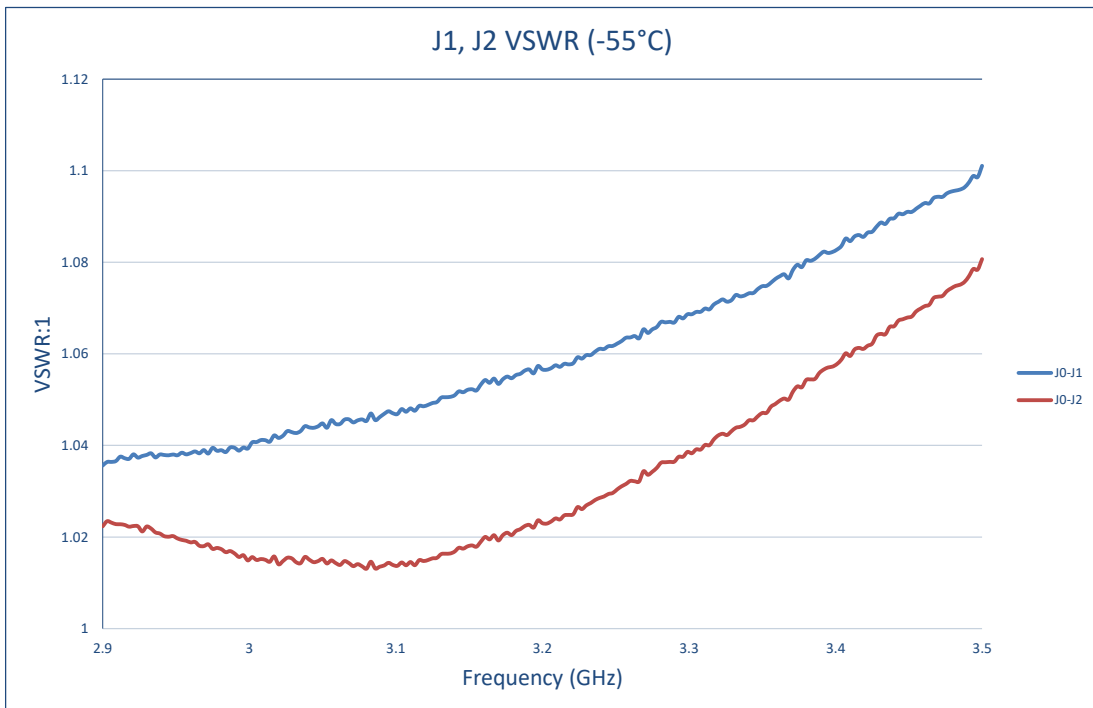
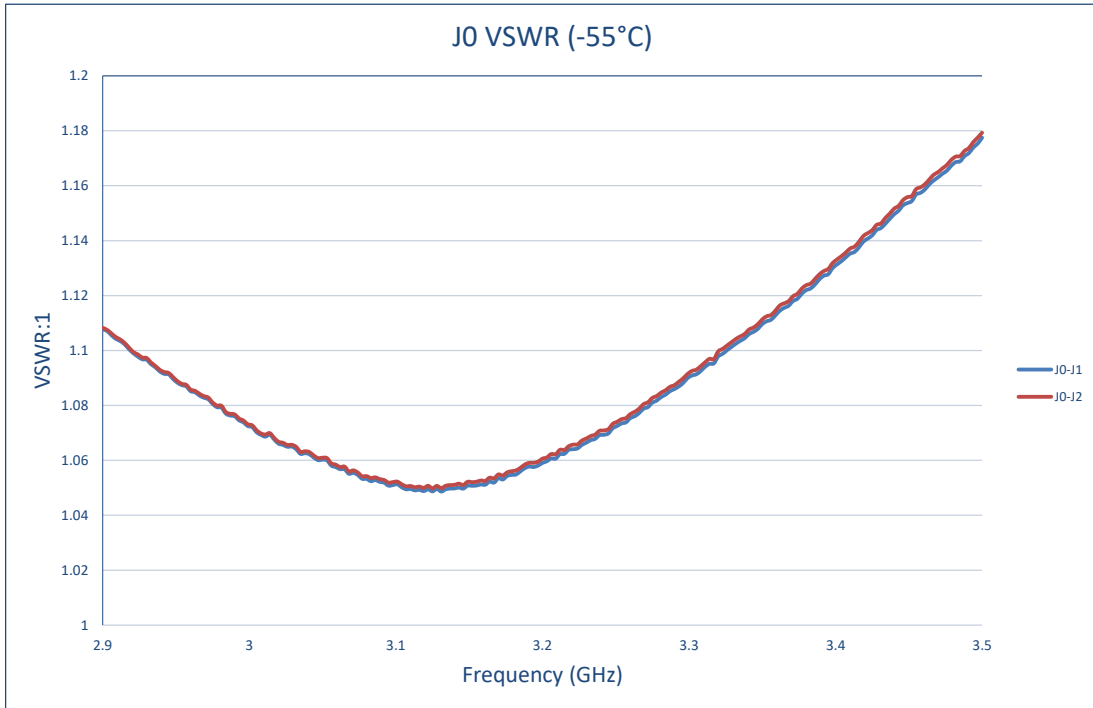
TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



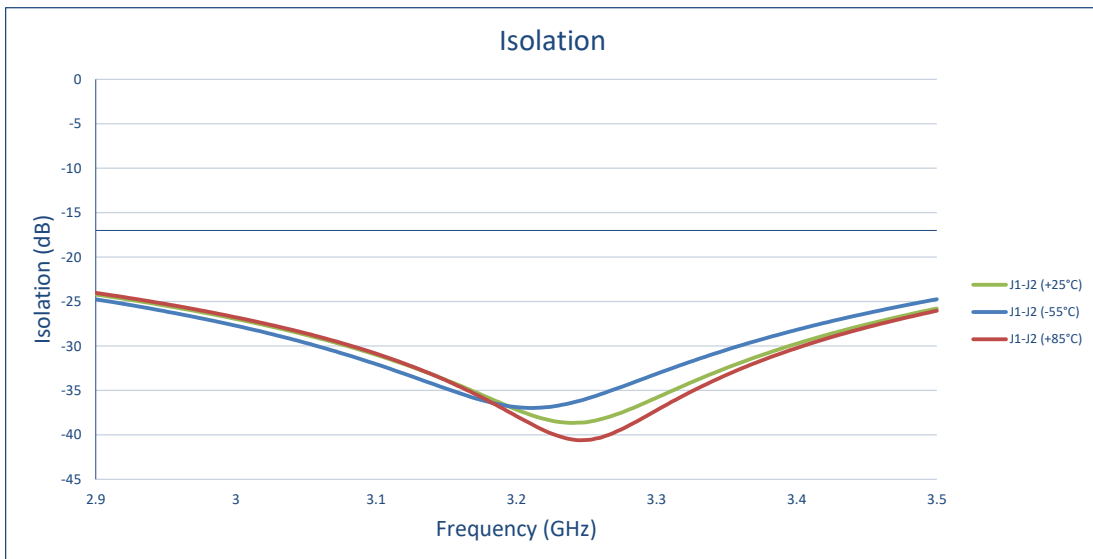
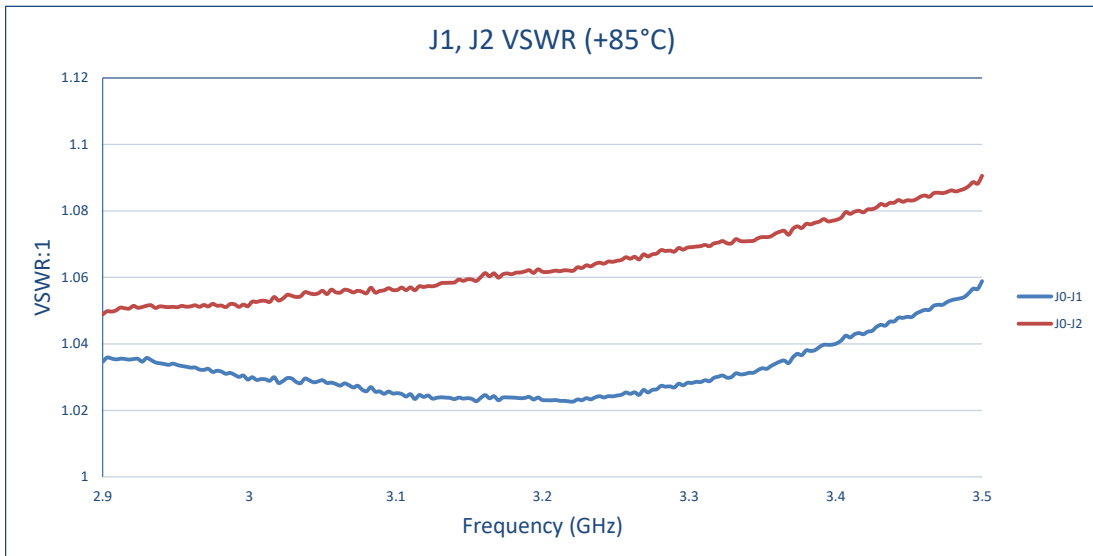
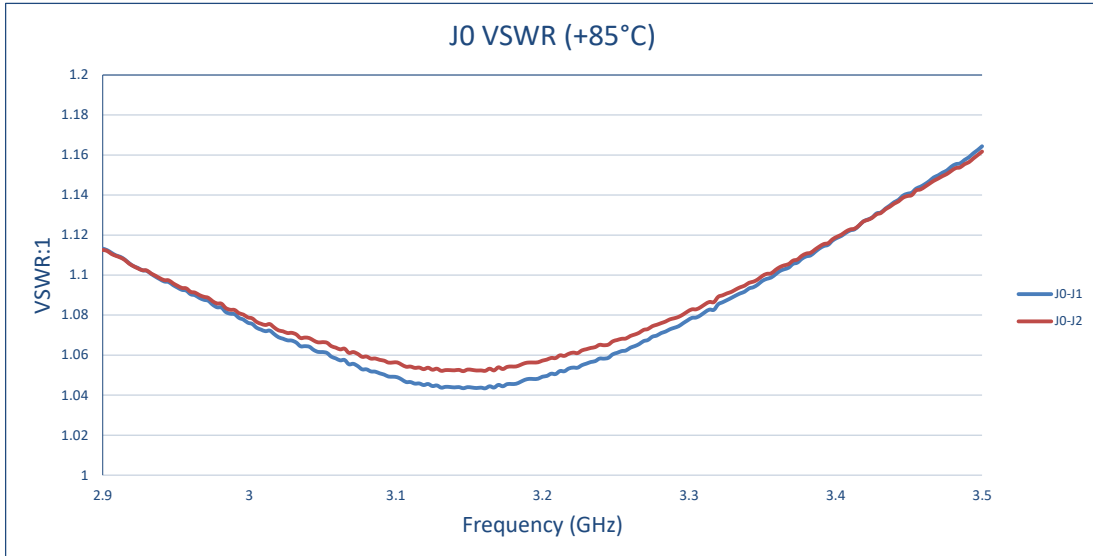
TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



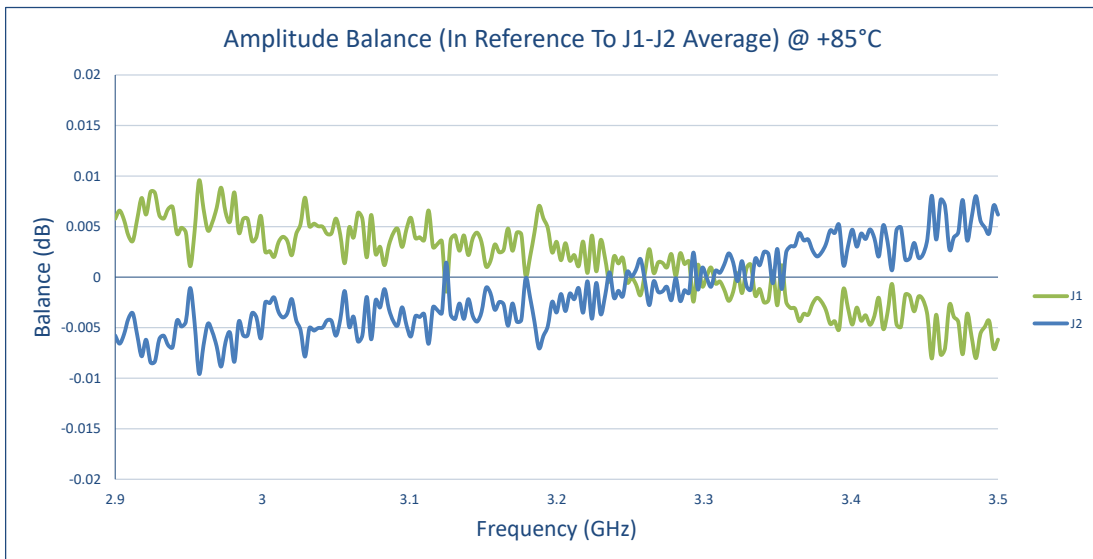
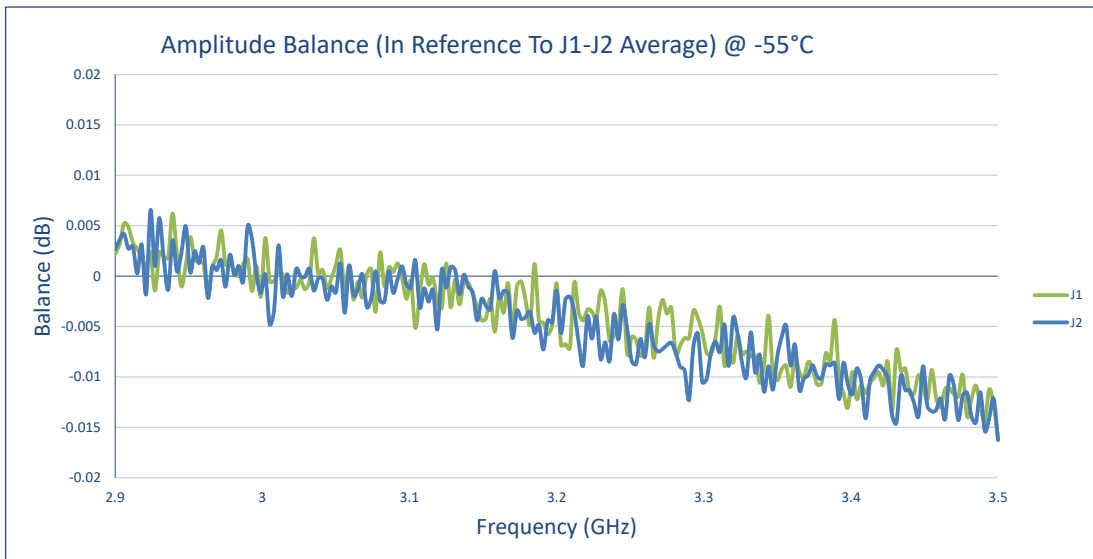
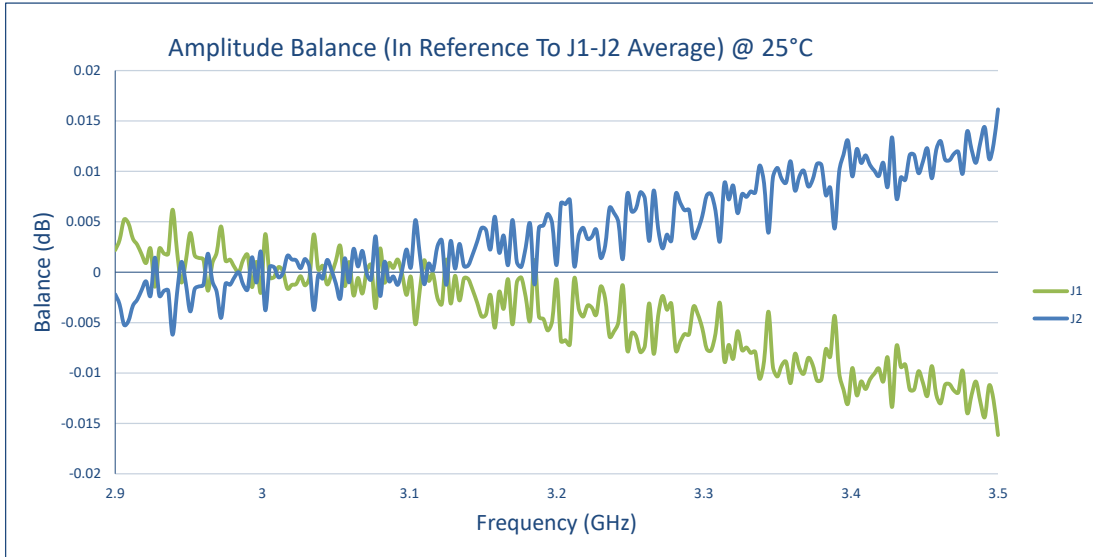
TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



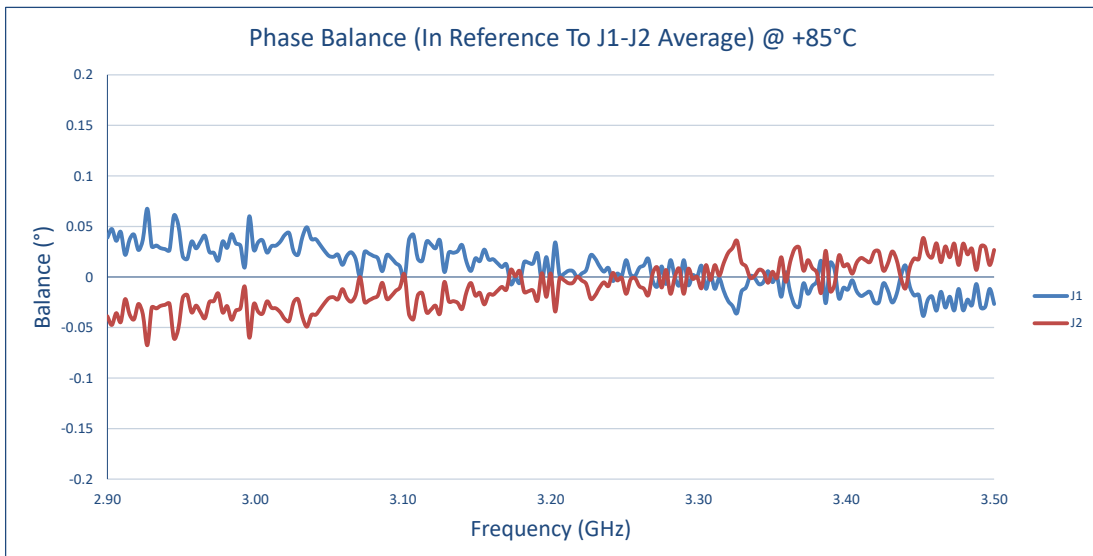
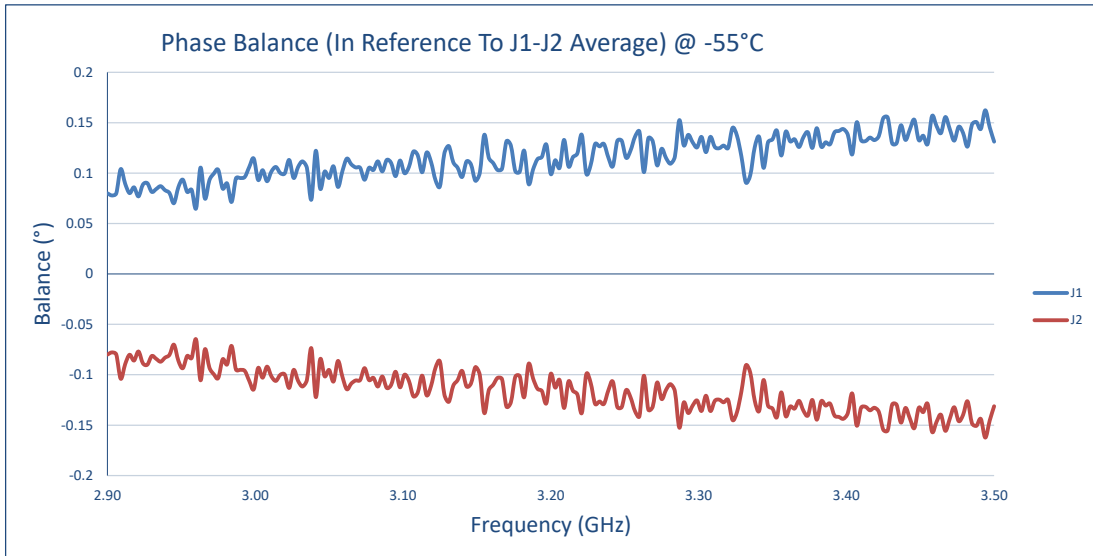
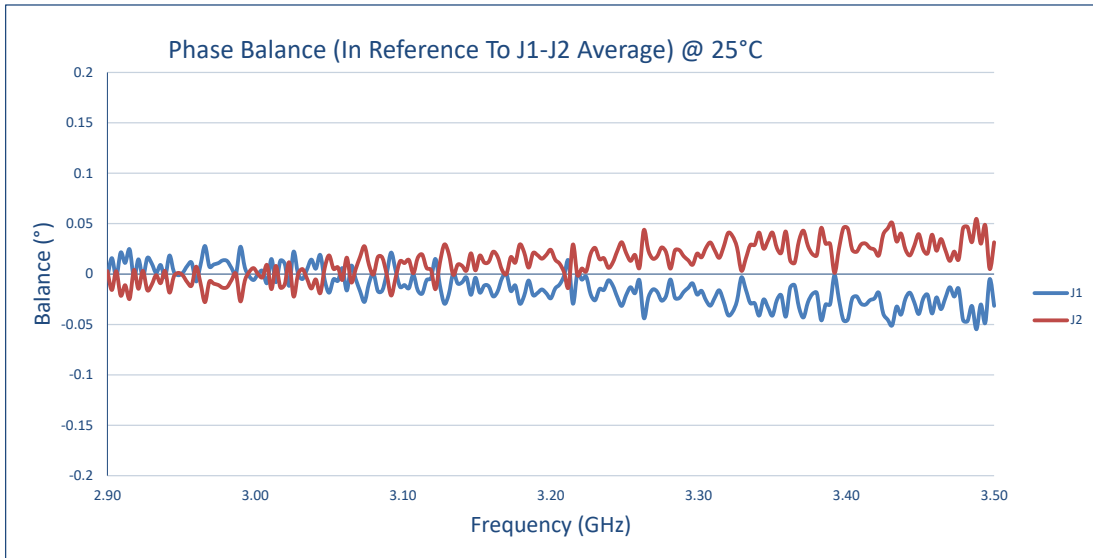
TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



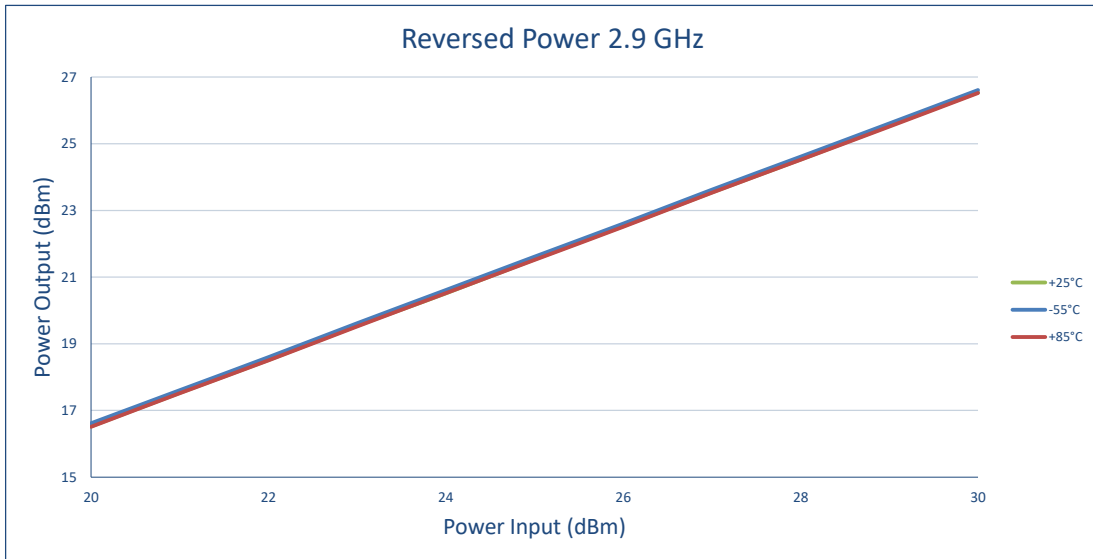
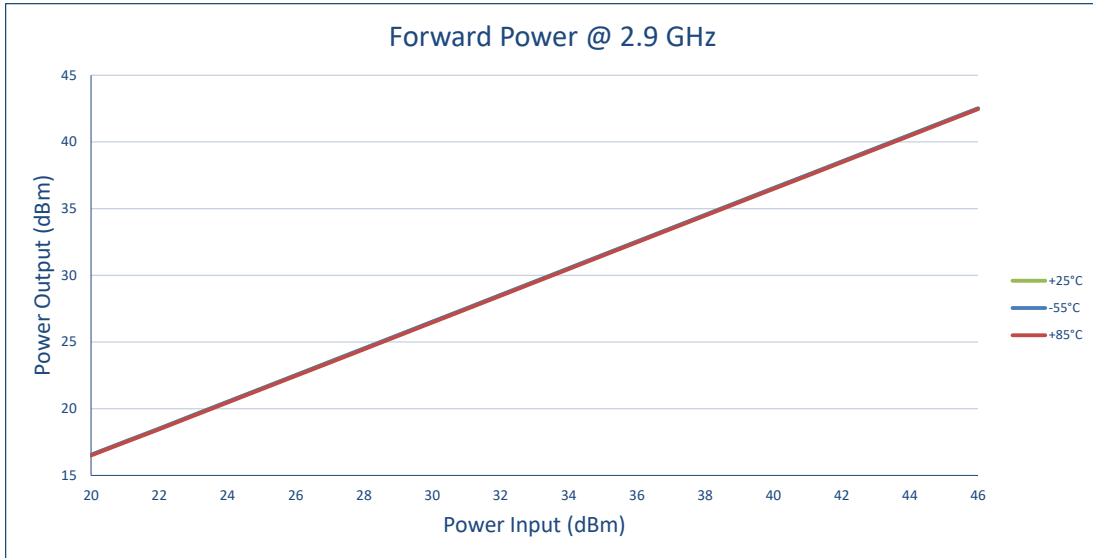
TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



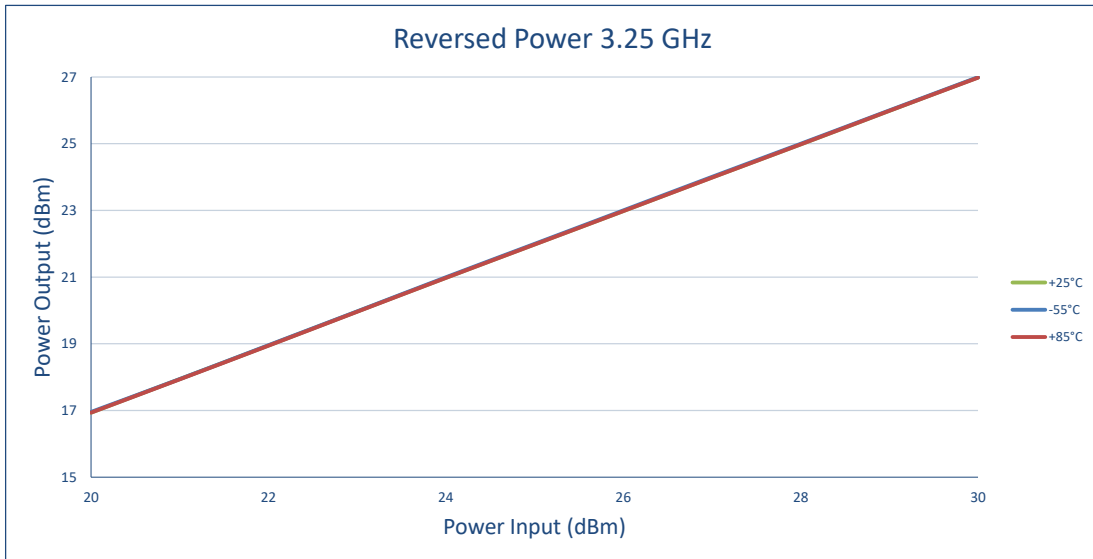
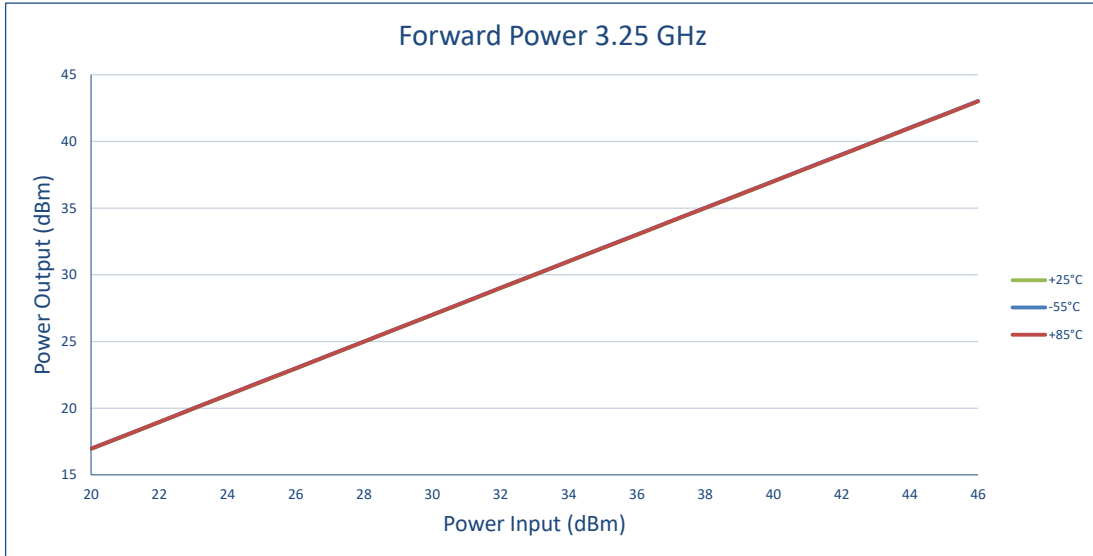
TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF



TYPICAL CHARACTERISTICS
ON
APD-2-2D93D5-40W-SFF

