

**SUMMARY TEST DATA
ON
PDT-8G12G-40-515-SFF**

Customer: _____
 SO No: _____
 Model No: PDT-8G12G-40-515-SFF
 Serial No: PL42733/2344

Tested By: Alfredo Lopez
 Temperature: 25°C, -54°C, +95°C
 Date: 4/2/2024
 Drawing No: 27630580 Rev: A1

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST RESULTS		
			25°C	-54°C	95°C
1	Frequency Range	8 GHz to 12 GHz	8 to 12 GHz	8 to 12 GHz	8 to 12 GHz
2	Insertion Loss	2 dB Max., 8-10 GHz 2.3 dB Max., 10-12 GHz	1.81 dB 1.99 dB	1.72 dB 1.91 dB	1.85 dB 2.12 dB
3	Isolation	40 dB Min.	47.9 dB See Graph	48.8 dB See Graph	46.8 dB See Graph
4	Input Power	40 dBm CW Max Operating	Pass See Typical Characteristics	Pass See Typical Characteristics	Pass See Typical Characteristics
5	Operating Power Peak	57 dBm Max 1 μS Pulse Width 1% Duty	Pass See Typical Characteristics	Pass See Typical Characteristics	Pass See Typical Characteristics
6	VSWR: In/Out	1.8:1 Typ.	1.52:1 In 1.51:1 Out See Graph	1.51:1 In 1.53:1 Out See Graph	1.53:1 In 1.5:1 Out See Graph
7	Switching Speed Max	200 ns Max.	Speed ON 182.24 ns Speed OFF 60.80 ns See Plot	Speed ON 182.24 ns Speed OFF 60.80 ns See Plot	Speed ON 182.24 ns Speed OFF 60.80 ns See Plot
8	Power Supply	5 V @ 100 mA -15 V @ 60 mA	5 V @ 25 mA -15 V @ 0 mA	5 V @ 24 mA -15 V @ 0 mA	5 V @ 26 mA -15 V @ 0 mA
9	Control Signal	TTL LOGIC '1': J0-J1 Low Loss '0': J0-J2 Low Loss	Pass	Pass	Pass

PMI
QA2

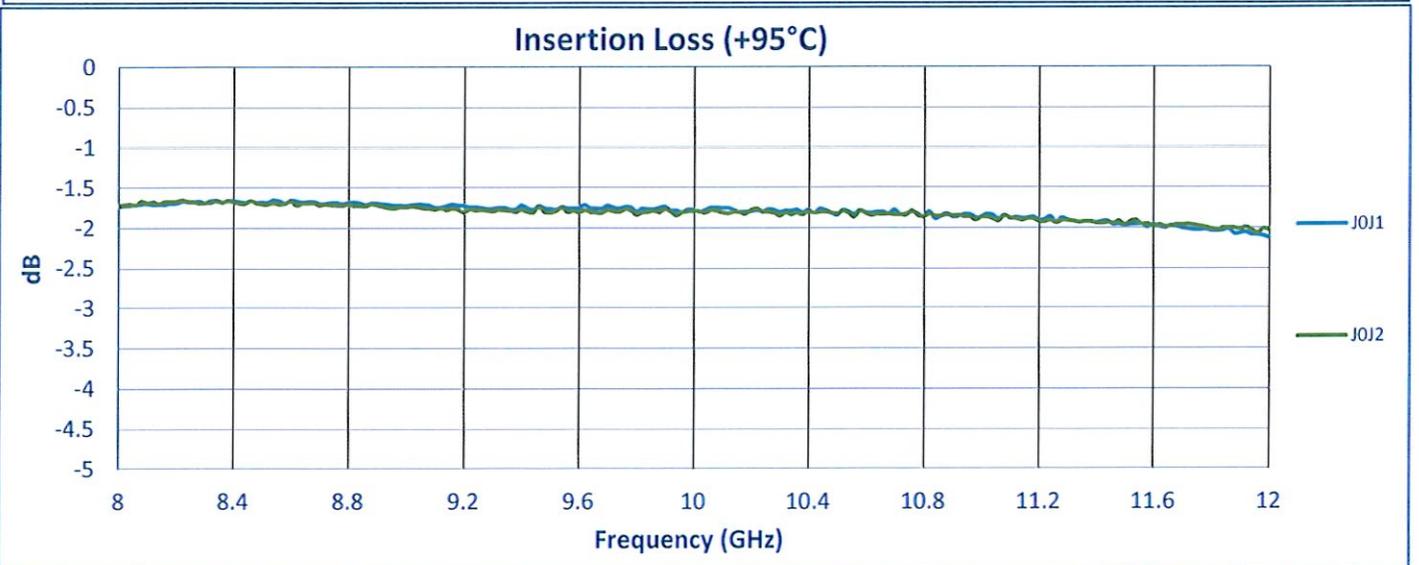
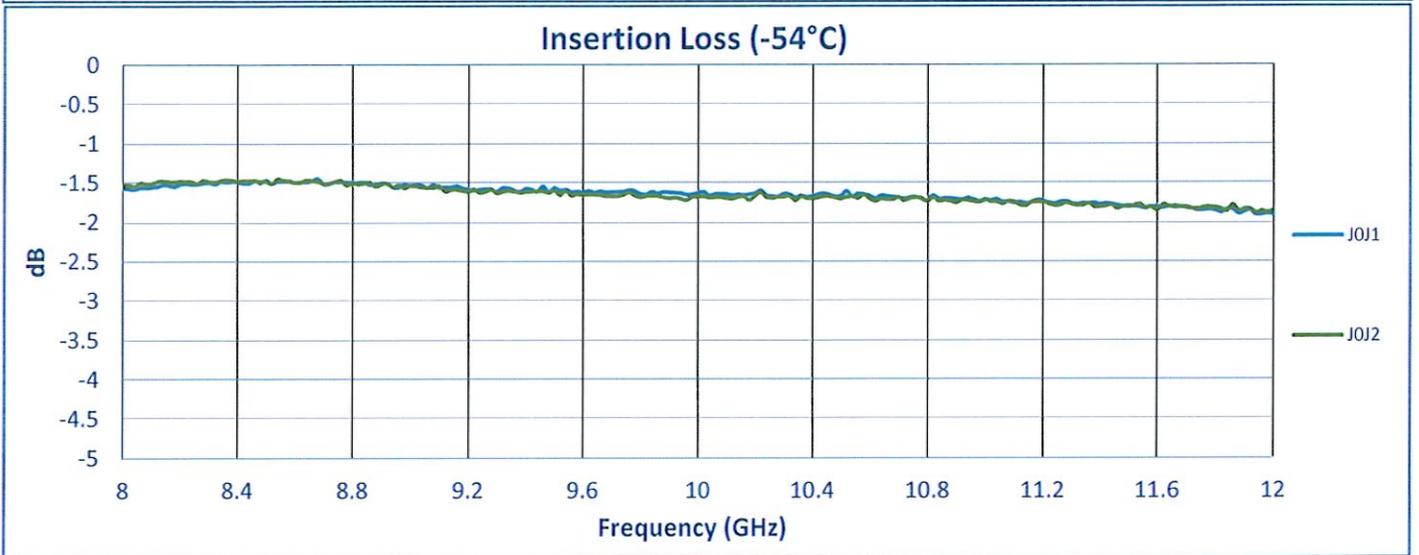
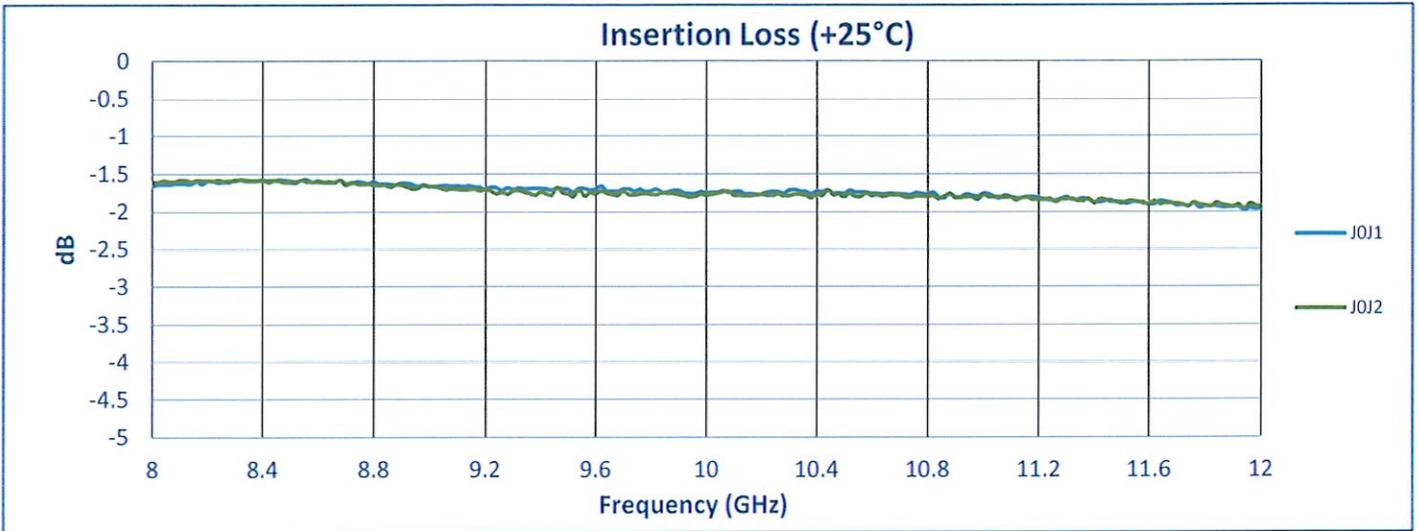
PMI
QA2

QA/QC Approval: 

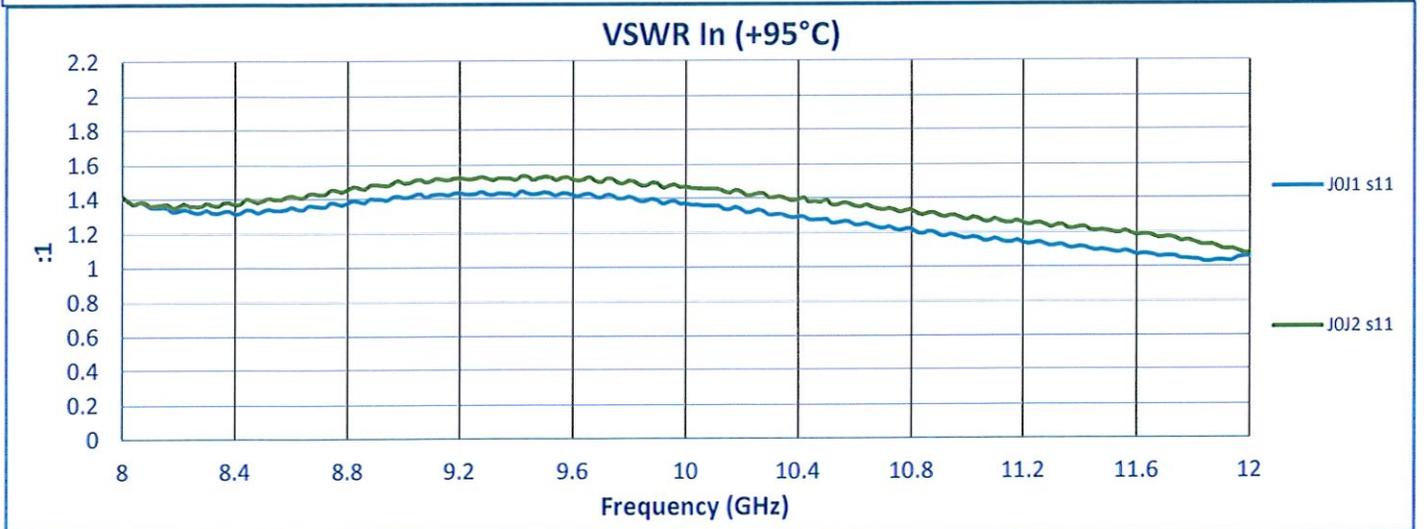
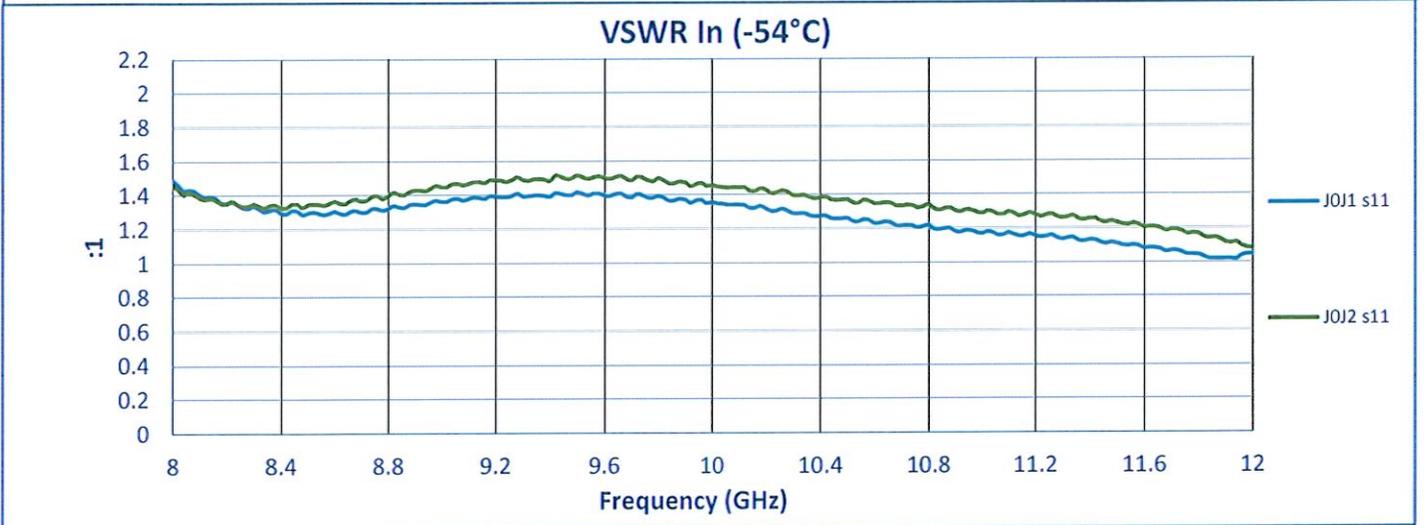
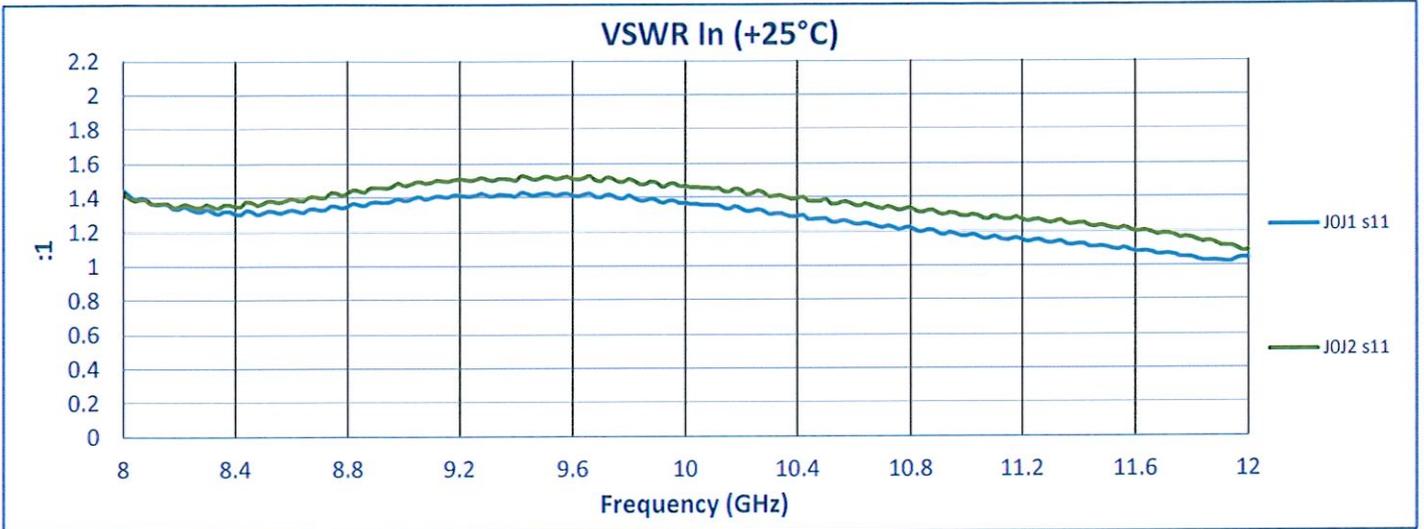
PMI
QA2

Date: 4/3/2024

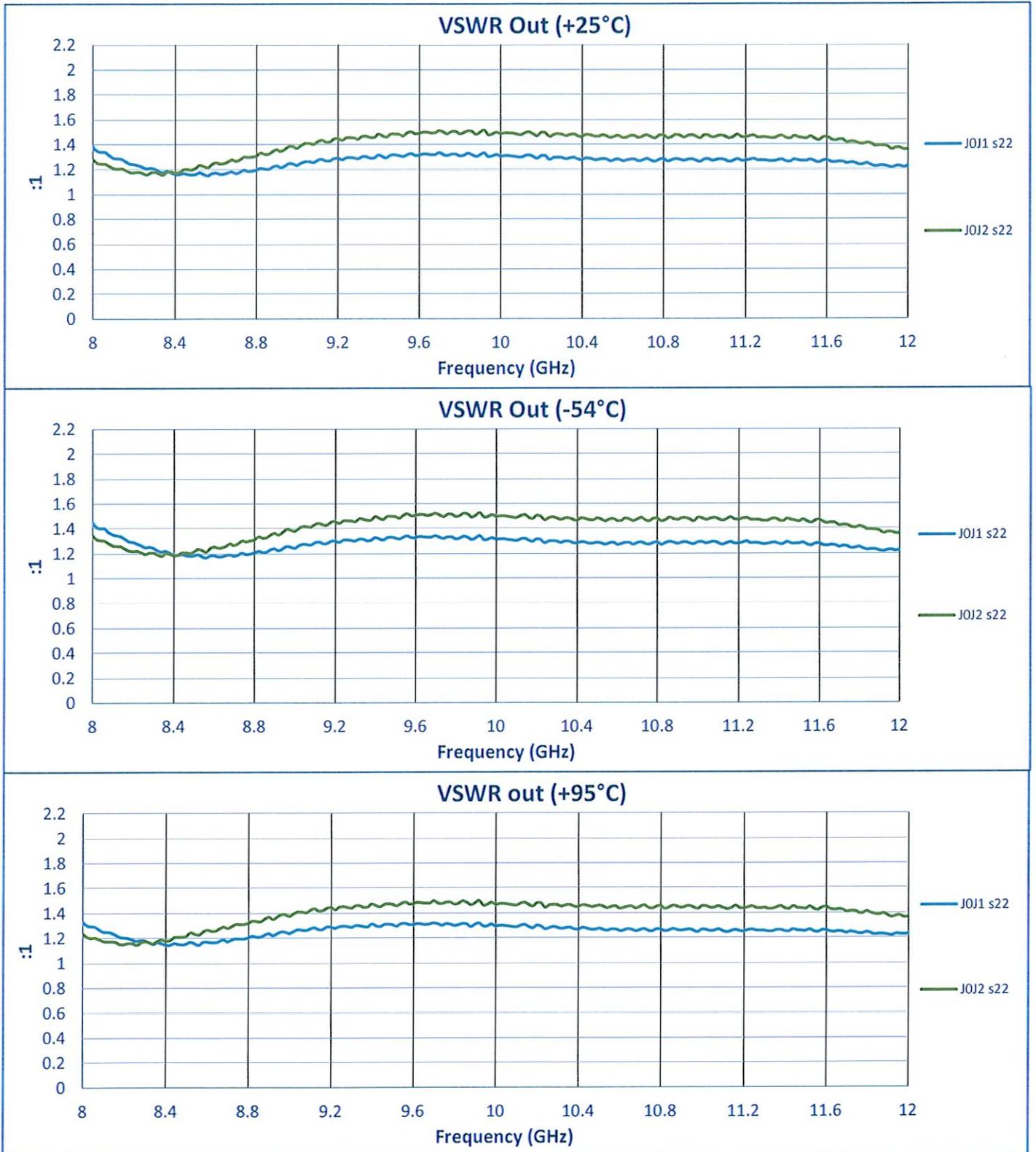
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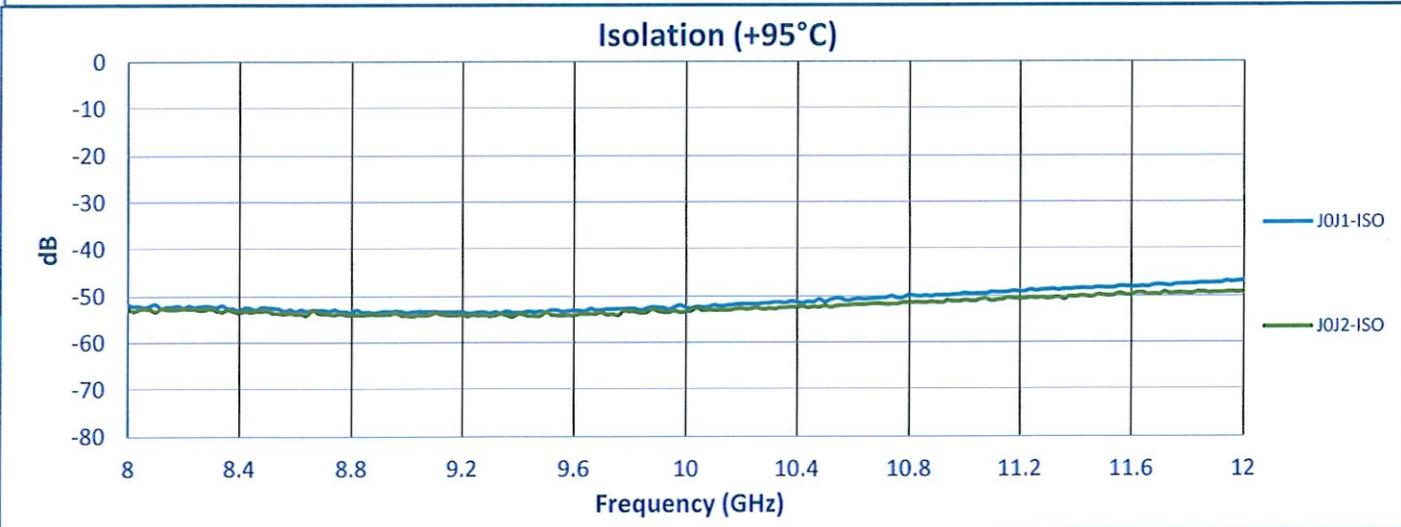
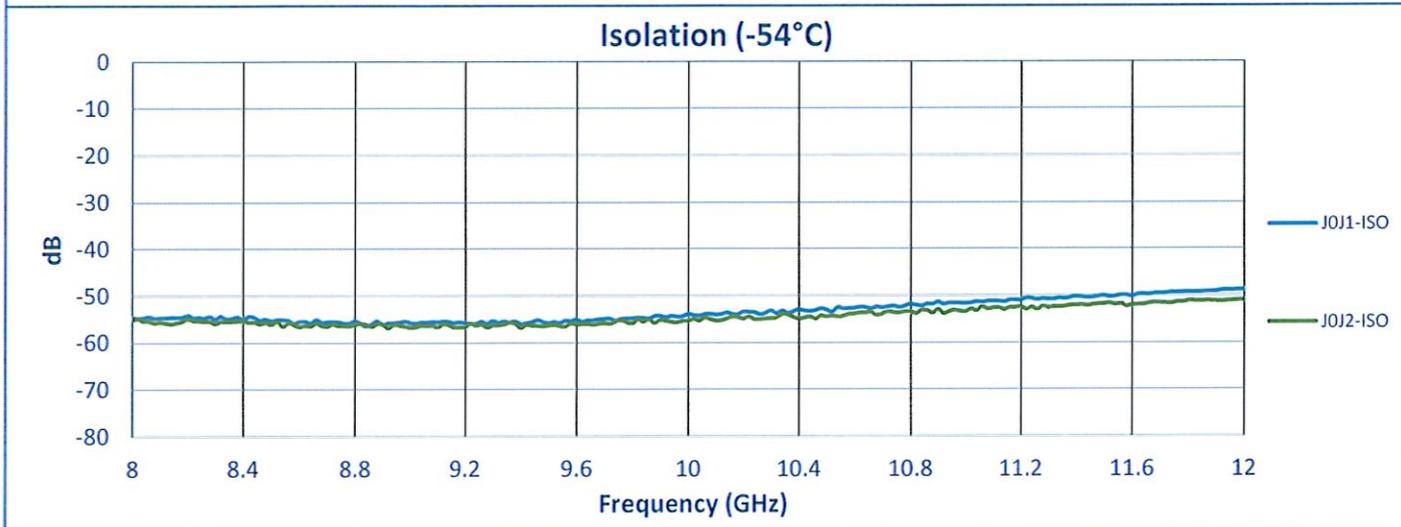
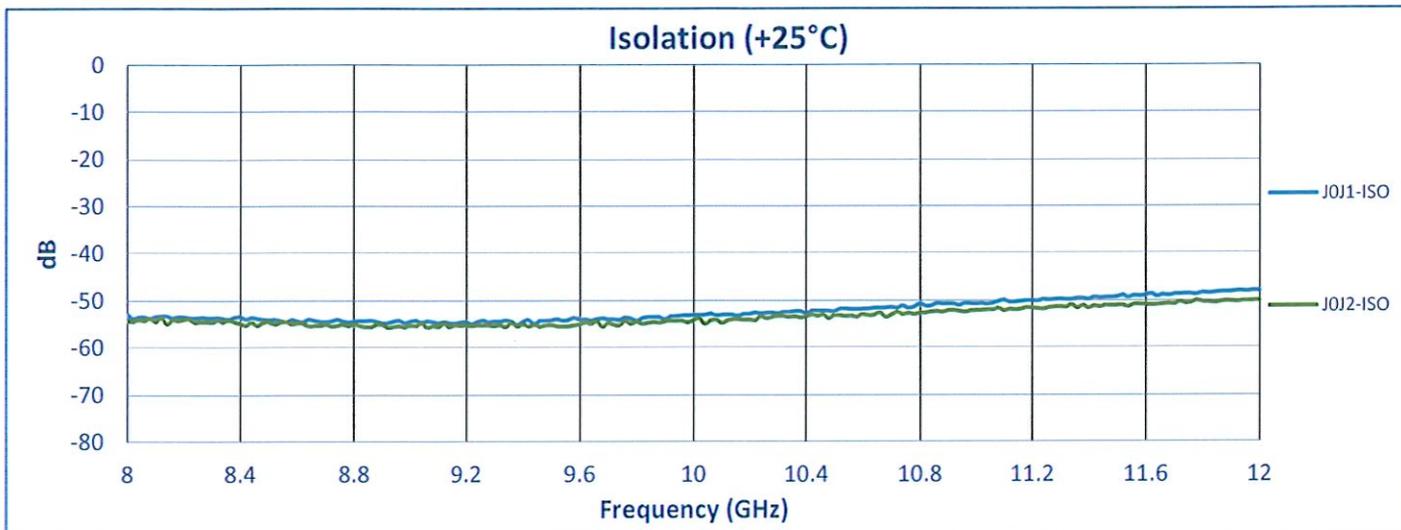
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Switching Speed

Rise time & Delay ON

Measured Value

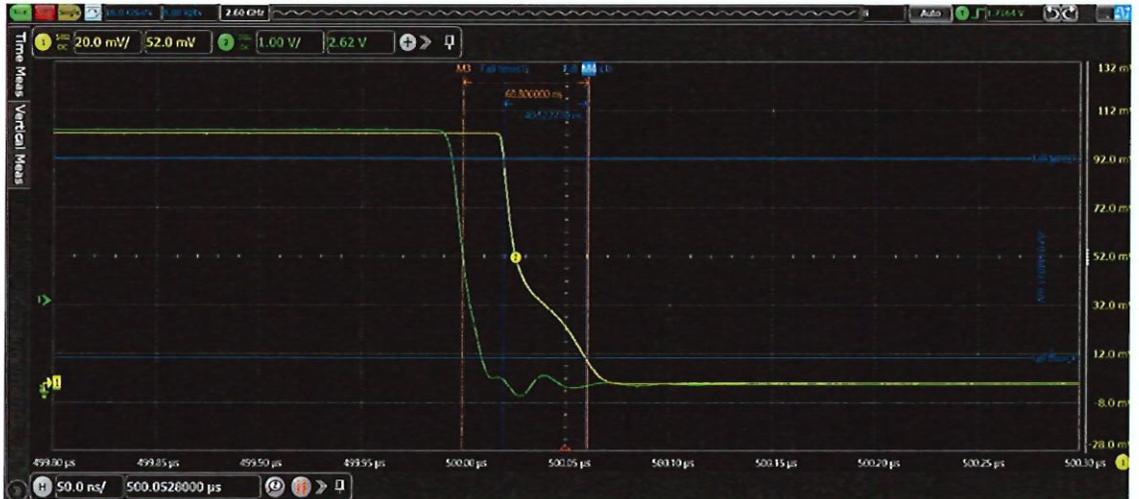
Rise time - 157.7 ns
Speed ON - 182.24 ns



Fall time & Delay OFF

Measured Value

Fall time - 40.52 ns
Speed OFF - 60.80 ns



Full Pulse

Green Trace - TTL
Yellow Trace - Video Signal

