Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA
ON
P1T-DC40G-65-T-292FF-1NS-OPT18G-55

Customer:
SO No:
Model No: P1T-DC40G-65-T-292FF-1NS-OPT18G-55
Serial No: PL58192/2609

Tested By: K Craven
Temperature: 25°C
Date: 1/28/2026
Drawing No: 27630283 Rev: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	DC to 18 GHz	**0.01 GHz to 18 GHz**	PMI QA2
2	Isolation	55 dB Min. 60 dB Typ.	**59.8 dB**	
3	Insertion Loss	5 dB Max. 4.5 dB Typ.	**3.85 dB**	
4	VSWR: In/Out	2.2:1 Max. 2:1 Typ.	**1.73:1 In** **1.85:1 Out**	
5	Input Power	17 dBm CW Max Operating	**Pass See Typical Characteristics**	
6	Switching Speed	7 ns Max. 6 ns Typ.	**Pass See Typical Characteristics**	
7	Rise/Fall Time	2 ns Max. Rise 1 ns Typ. Rise 2 ns Max. Fall 1 ns Typ. Fall	**Pass See Typical Characteristics**	
8	Control Signal	TTL LOGIC '1' : Insertion Loss '0' : Isolation	**Pass**	
9	Video Transients	300 MHz BW (2 to 18 GHz): 85 mv P-P 20 MHz BW (2 to 18 GHz): 15	**Pass See Typical Characteristics**	
10	Power Supply	5 V @ 15 mA Max. -5 V @ 40 mA Max.	**5 V @ 0 mA** **-5 V @ 20 mA**	PMI QA2

QA/QC Approval: PMI QA2 Date: 2/24/2026

7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@quanticpmi.com

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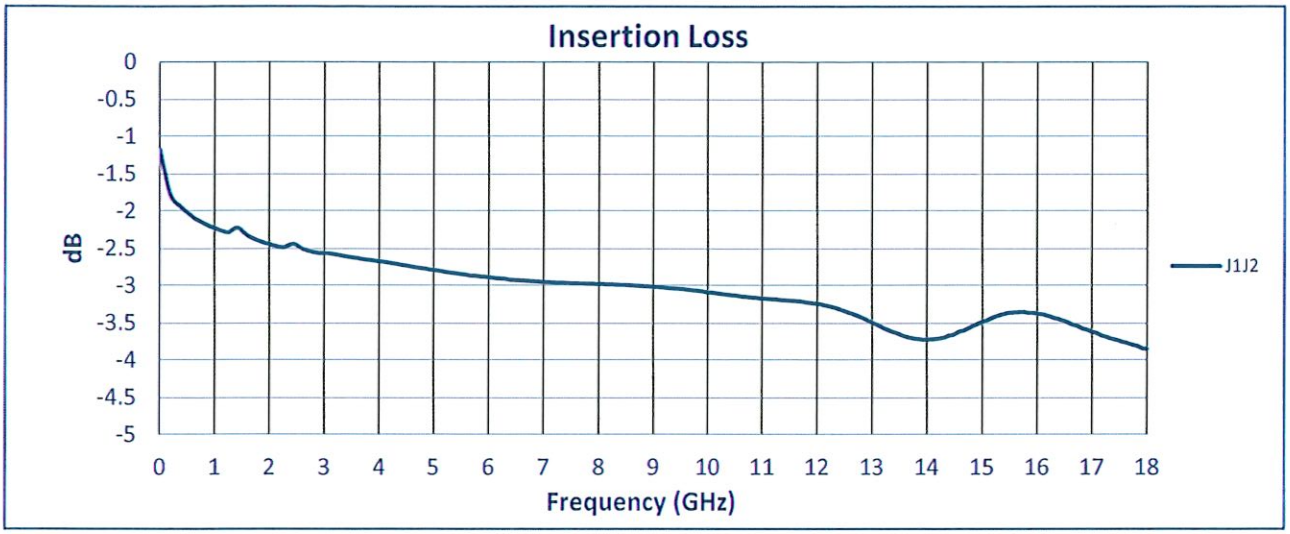

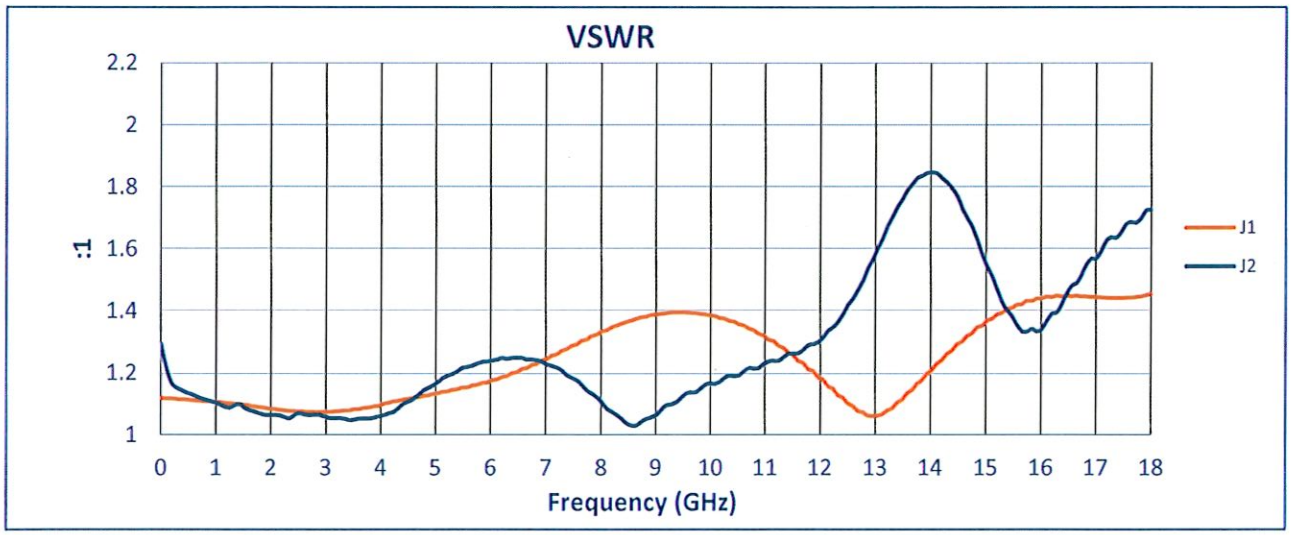

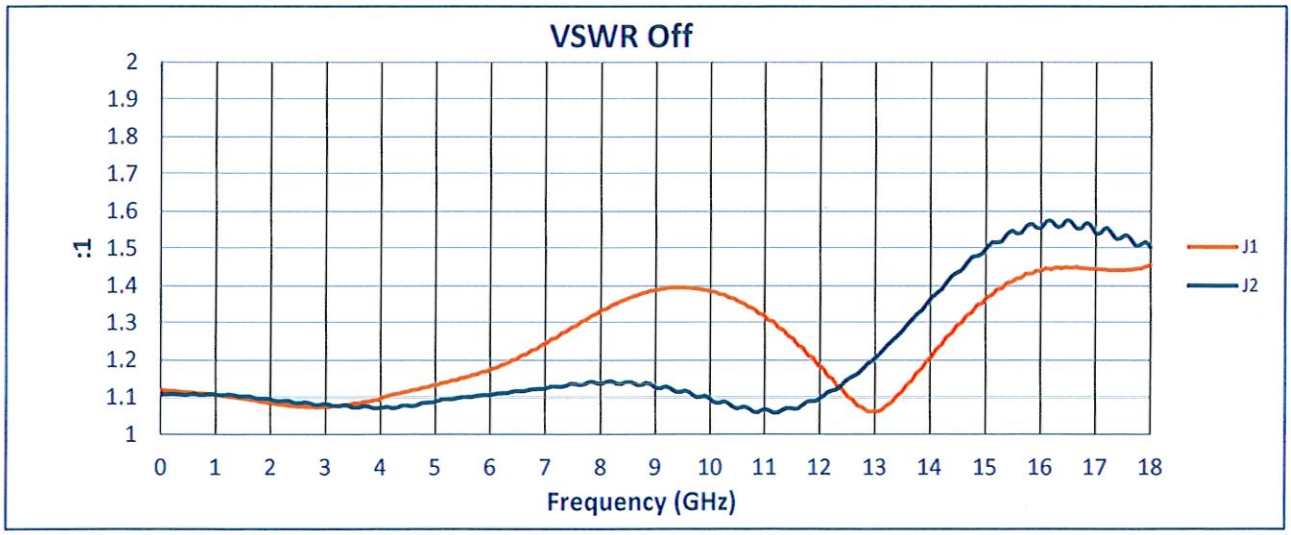

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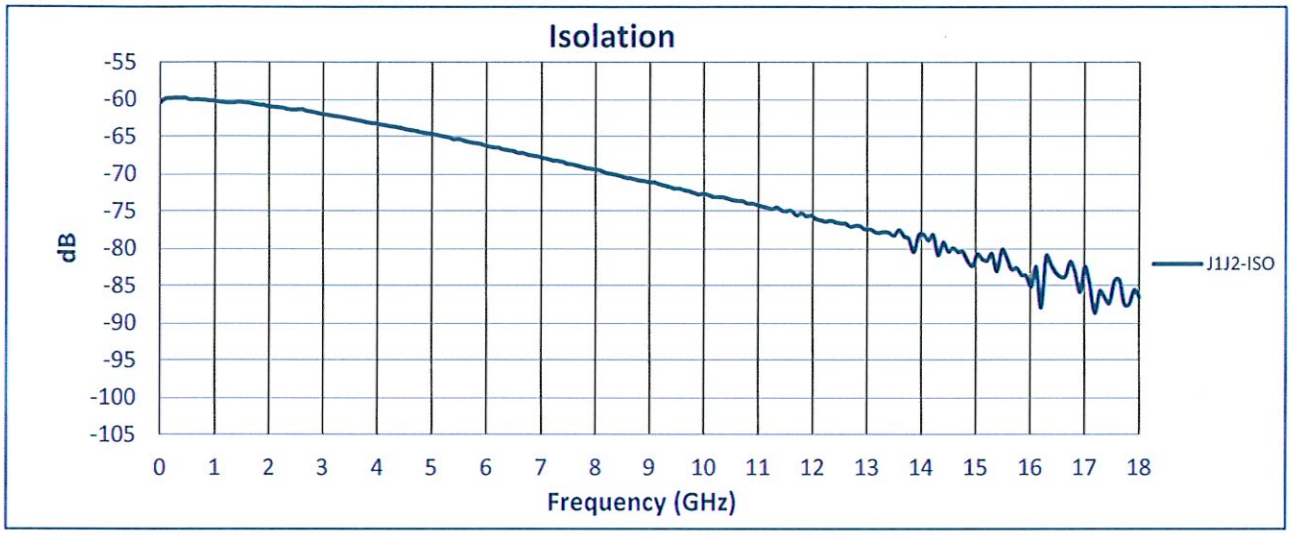

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