Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA
ON
P1T-DC40G-65-T-292FF-1NS-OPT18G-50OHM

Customer: [redacted]
SO No: [redacted]
Model No: P1T-DC40G-65-T-292FF-1NS-OPT18G-50OHM
Serial No: PL44381/2406

Tested By: L. McGraw
Temperature: 25°C
Date: 2/9/2024
Drawing No: 27630283 Rev: A1

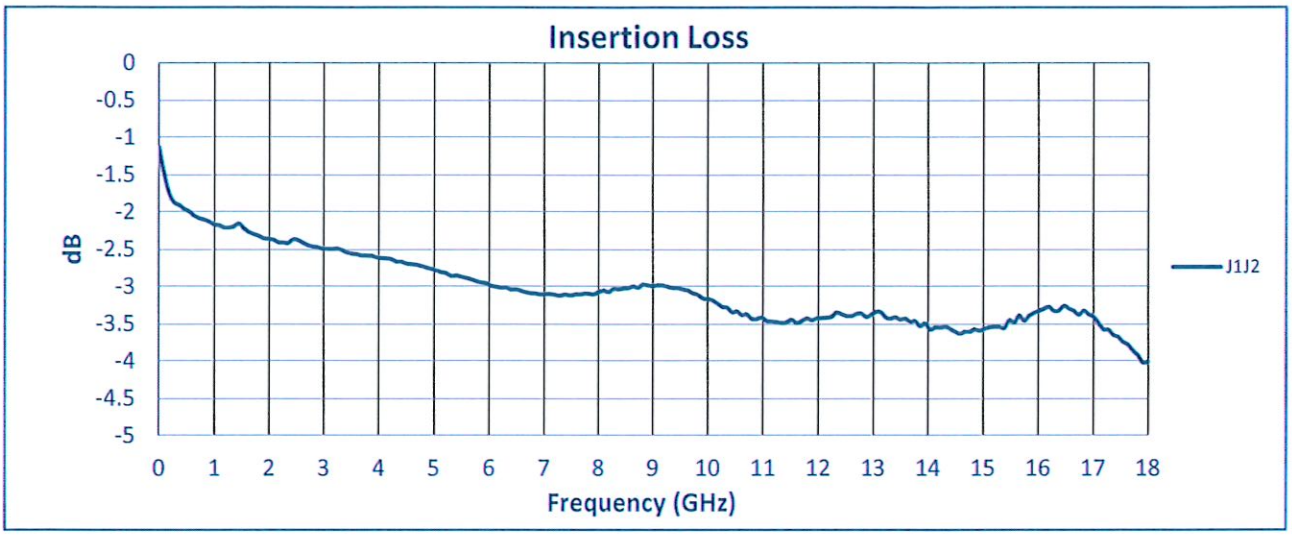
TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	DC to 18 GHz	0.01 GHz to 18 GHz	PMI QA4
2	Isolation	55 dB Min. 60 dB Typ.	60.8 dB	
3	Insertion Loss	5 dB Max. 4.5 dB Typ.	4.02 dB	
4	VSWR: In/Out	2.2:1 Max. 2:1 Typ.	1.98:1 In 2.02:1 Out	
5	Input Power	17 dBm CW Max Operating	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	8 to 15 V @ 15 mA -8 to -15 V @ 40 mA	15 V @ 8 mA -15 V @ 16 mA	PMI QA4

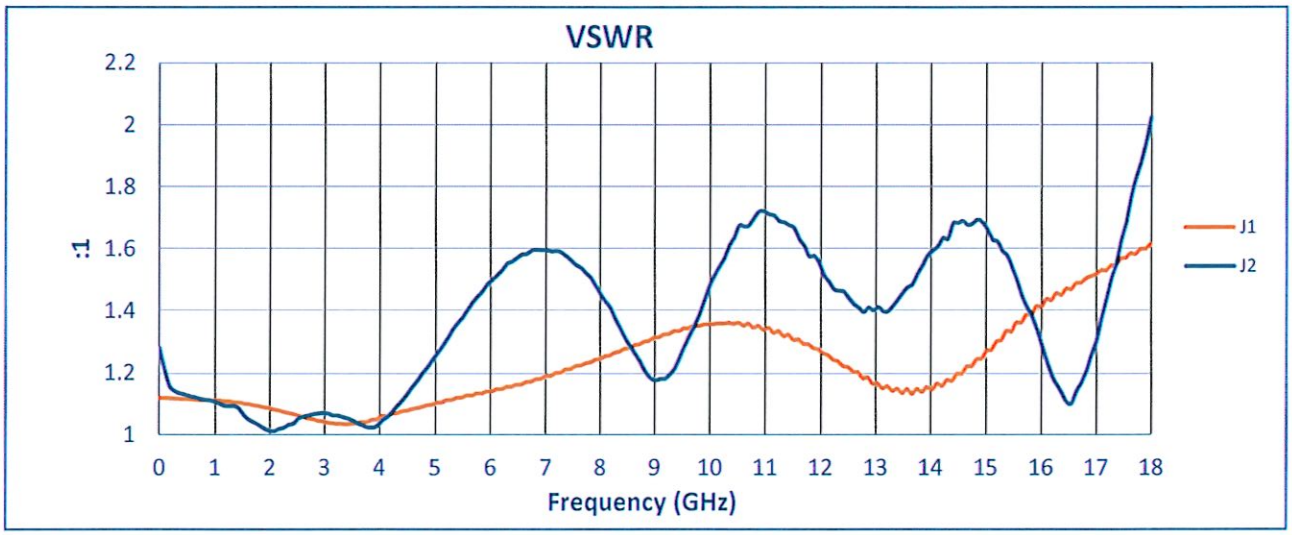
QA/QC Approval: Cameron Veleny PMI QA4 Date: 02/08/2024

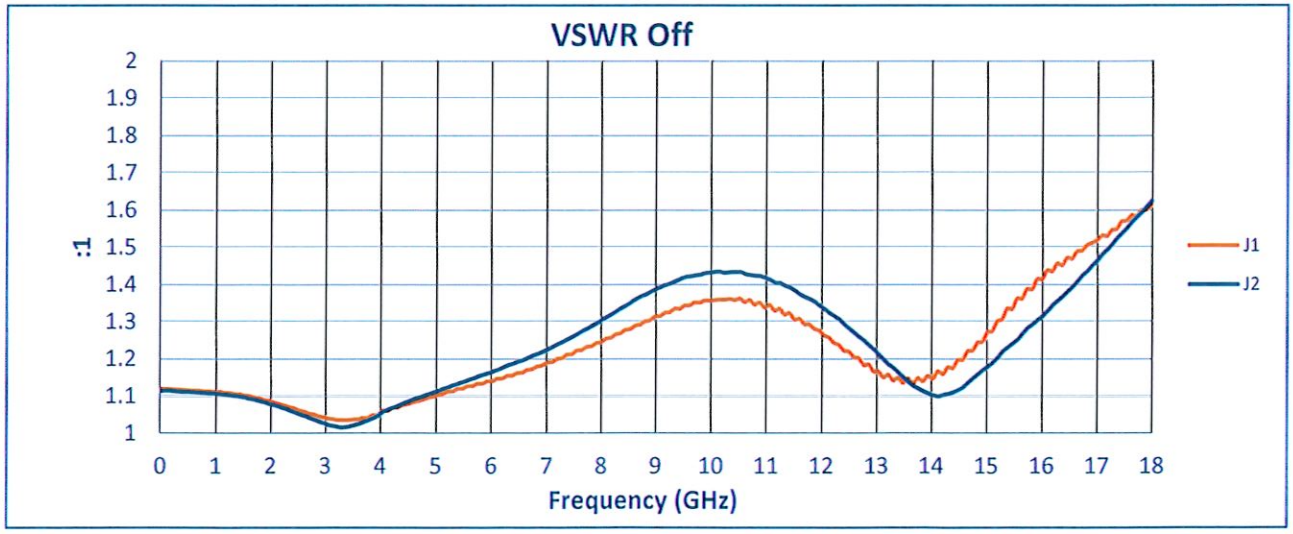
7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@quanticpmi.com

Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA
ON
P1T-DC40G-65-T-292FF-1NS-OPT18G-50OHM



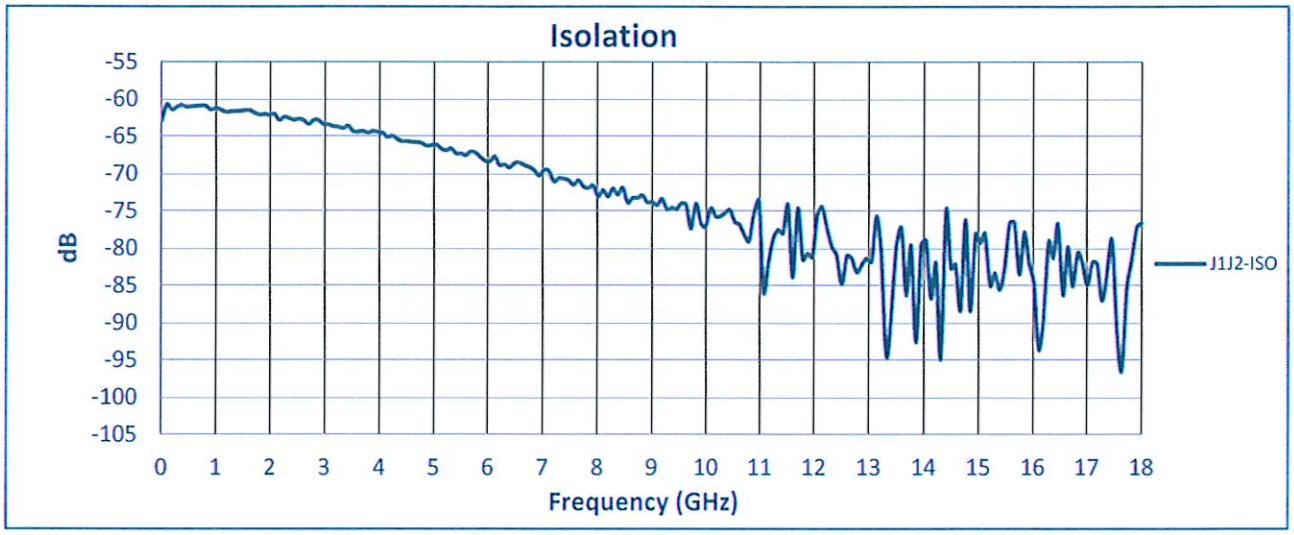




7309-A Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@quanticpmi.com

Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA
ON
P1T-DC40G-65-T-292FF-1NS-OPT18G-50OHM



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