Quantic PMI
PLANAR MONOLITHICS

SUMMARY TEST DATA
ON
PIQ-1-SMT-EVAL

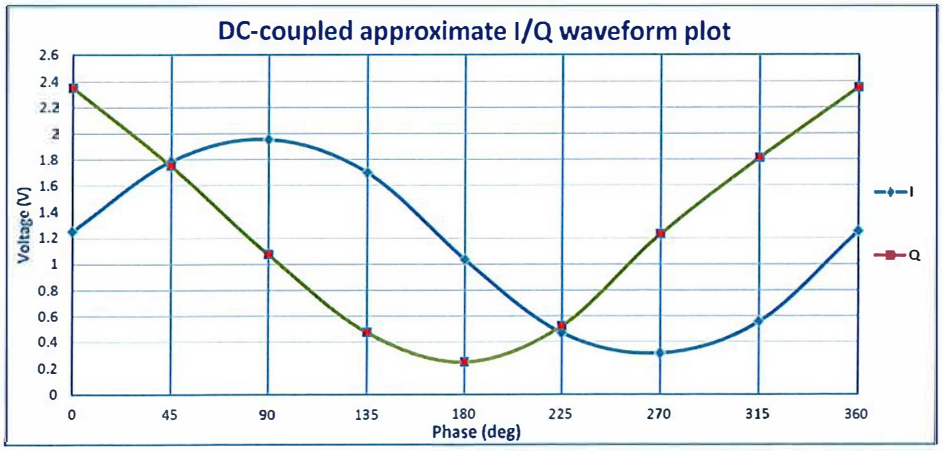
I and Q are not DC-blocked. Only apply voltages within 0 to 3.3 V range.
LO and RF inputs/outputs are DC-blocked. To use single-ended, terminate LO- and RF- with 50 Ohm
(Tested single-ended with LO- and RF- terminated with 50 Ohm at -10 dBm)

Customer:
SO:
Model No: PIQ-1-SMT-EVAL
Serial No: PL57105/2552

Tested By: Anton L.
Date: Tuesday, September 29, 2026
Temp: +25°C
Drawing No: 27652660 Rev: A1

Test Item No.	Parameters	Specified Value	Measured Value	QA QC
1	Frequency Range	100 MHz TO 20 GHz	100 MHz TO 20 GHz	PMI QA5
2	I and Q DC Range	0 TO 3.3 V	0 TO 3.3 V	
3	I AND Q AC (Up to 10 GHz) Range	0 dBm TOTAL	0 dBm TOTAL	
4	VCC	4V ± 5%	4.01 V	
5	Current	250 mA TYP.	255 mA	PMI QA5

Tested DC-coupled I and Q values (not calibrated)		
Angle (deg)	Analog I (V)	Analog Q (V)
0	1.25	2.35
45	1.79	1.75
90	1.95	1.07
135	1.69	0.48
180	1.04	0.25
225	0.47	0.52
270	0.32	1.23
315	0.56	1.81



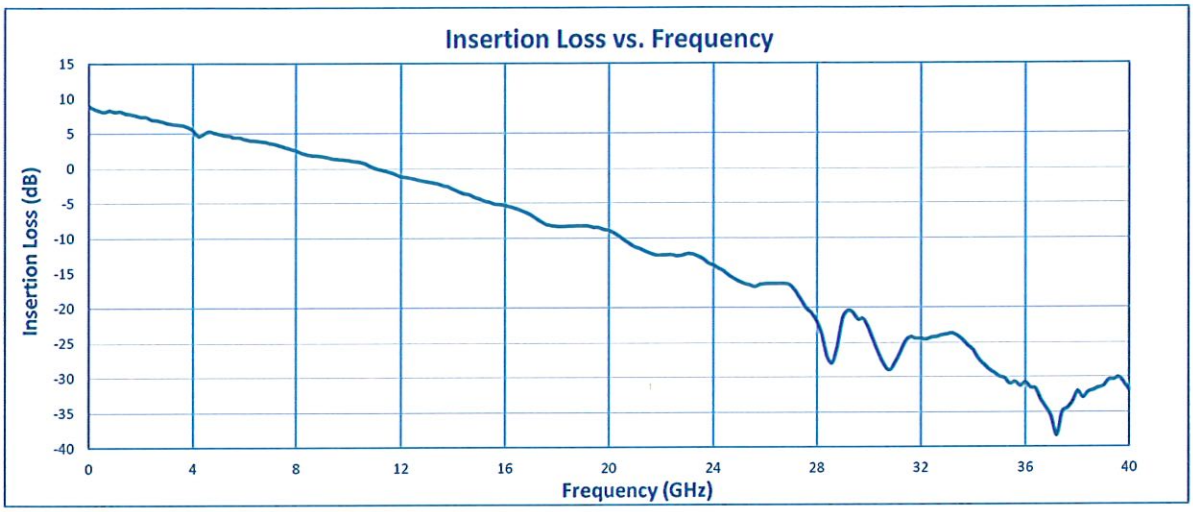
QA/QC Approval: Frederick Boyd Date: 9/29/26

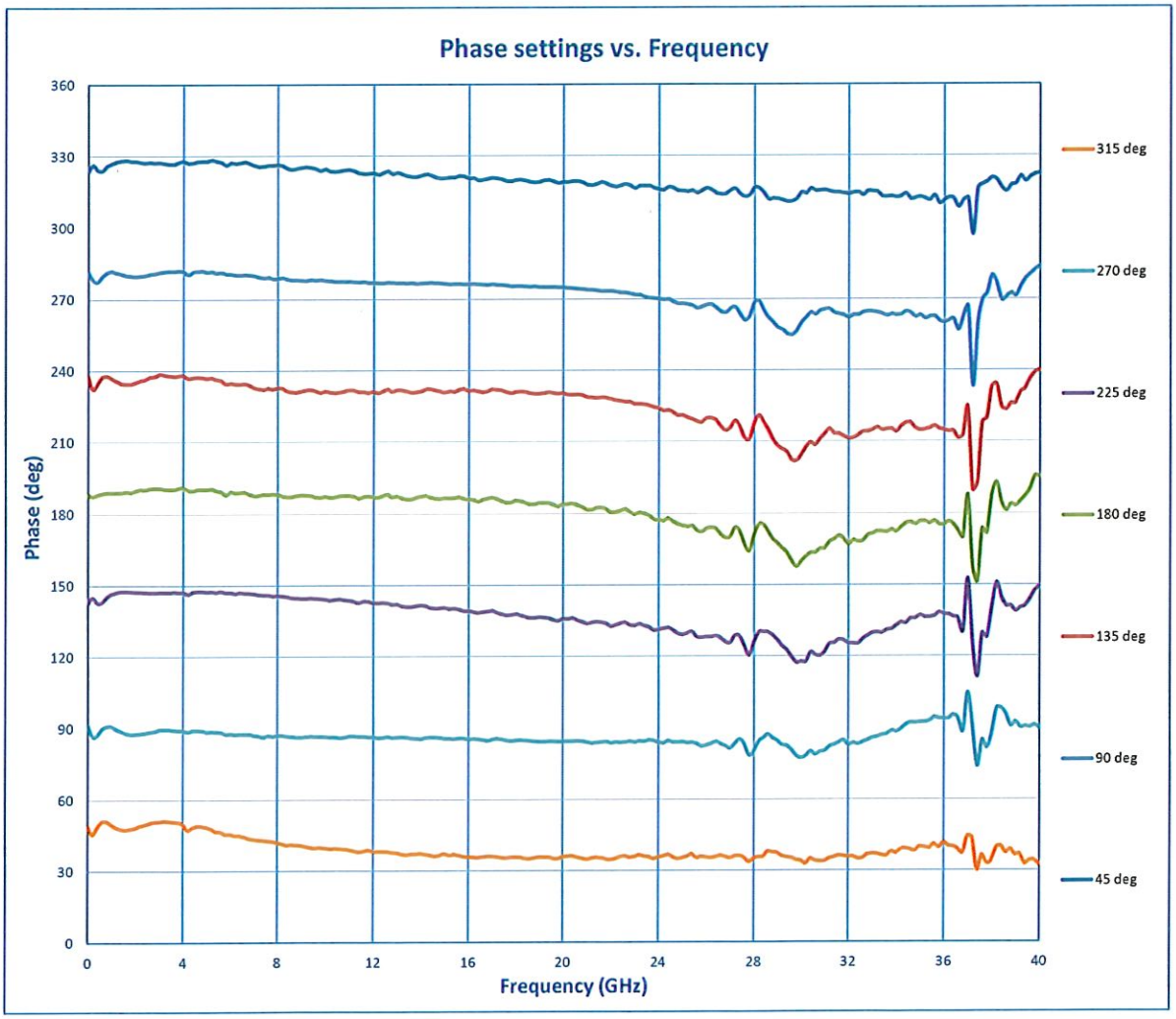
7309-A Grove Road Frederick, MD 21740 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com

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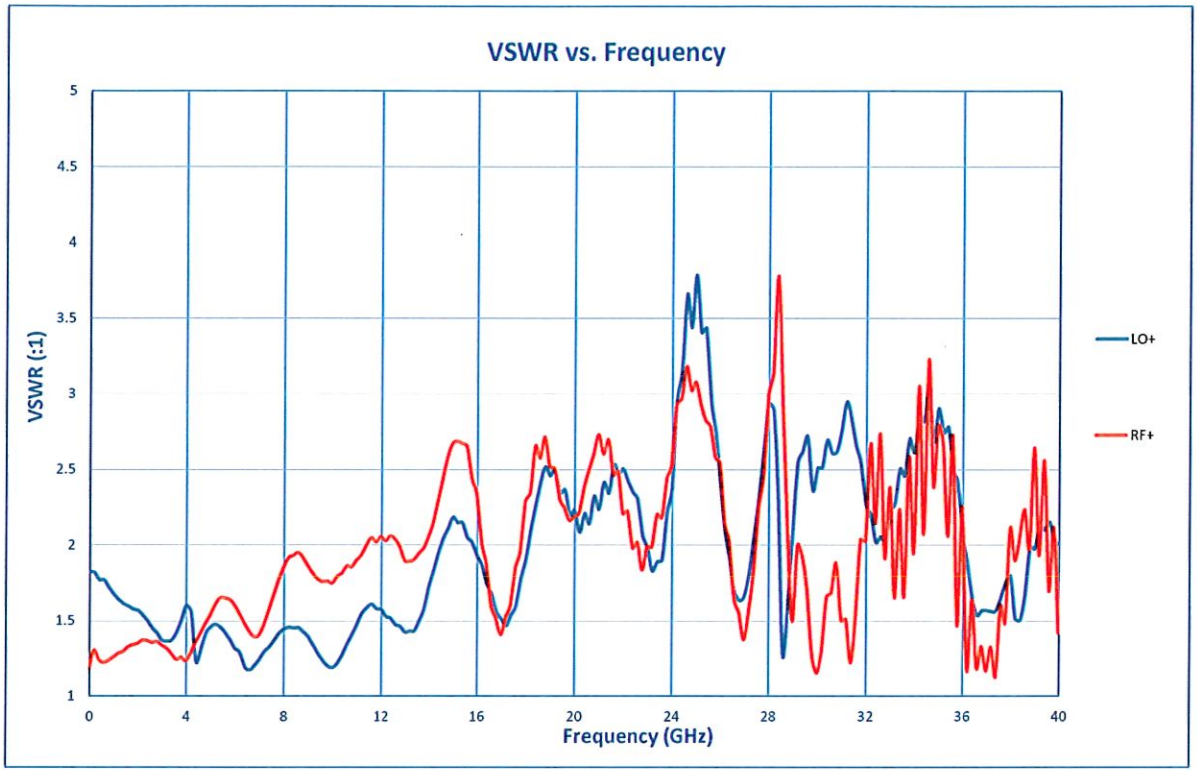


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