



**SUMMARY TEST DATA
ON
PMC-33D5-6D8-SFF**

Customer: SAMPLE
SO No: SAMPLE
Model No: PMC-33D5G-6D8-SFF
Serial No: SAMPLE

Tested By: B. Willard
Temperature: +25°C
Date: 12/5/2019
Drawing No: 27637520 REV: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	3.0 GHz to 3.5 GHz	3.0 to 3.5 GHz	PMI QA1
2	Insertion Loss: (if input signals at ports A, B, C, and D are equal Amplitude or Power & Inphase with an output at port AZΣ)	0.8 dB Typical	0.4 dB	
3	Insertion Loss: (if input signals at ports A, B, C, or D and all other ports are terminated to 50 Ohms with an output at ports ELΔ, AZΣ, AQ or AZΔ)	6.8 dB Maximum	6.7 dB See Plot	
4	Amplitude Balance:	±0.4 dB Maximum	±0.2 dB See Plot	
5	Phase Balance:	±5°	±1°	
6	Isolation:	23 dB Minimum	23 dB	
7	VSWR:	1.25:1 Maximum	1.2:1 See Plot	
8	Power Handling:	Average: 10 Watt Maximum (Port A, B, C, & D) Peak: 0.1 kW Maximum	10 Watts MAX (Port A, B, C, D)	
9	Impedance:	50 Ω	50 Ω	PMI QA1

QA/QC Approval: *[Signature]*

PMI
QA1

Date: 1/31/20

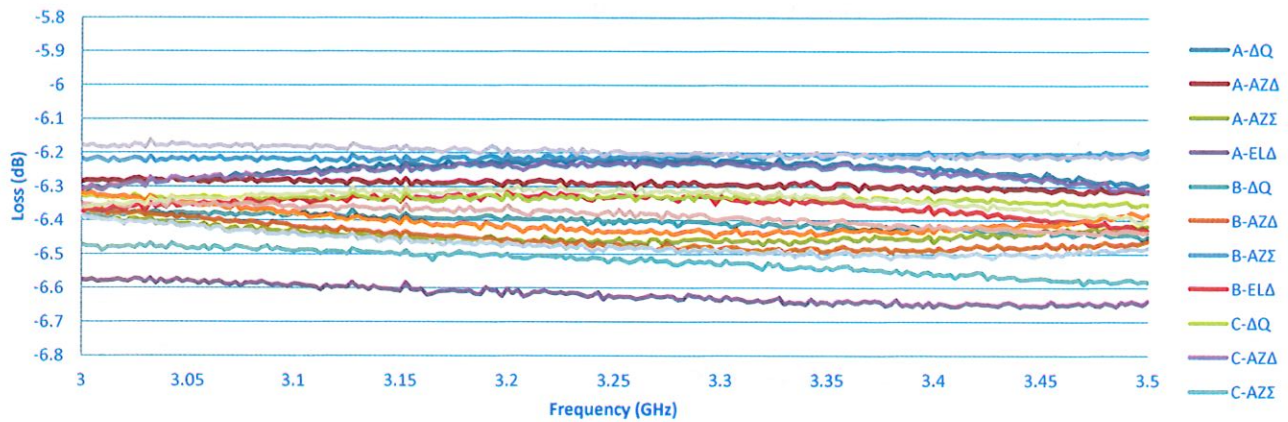
7311-F Grove Road Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731
Email: sales@pmi-rf.com



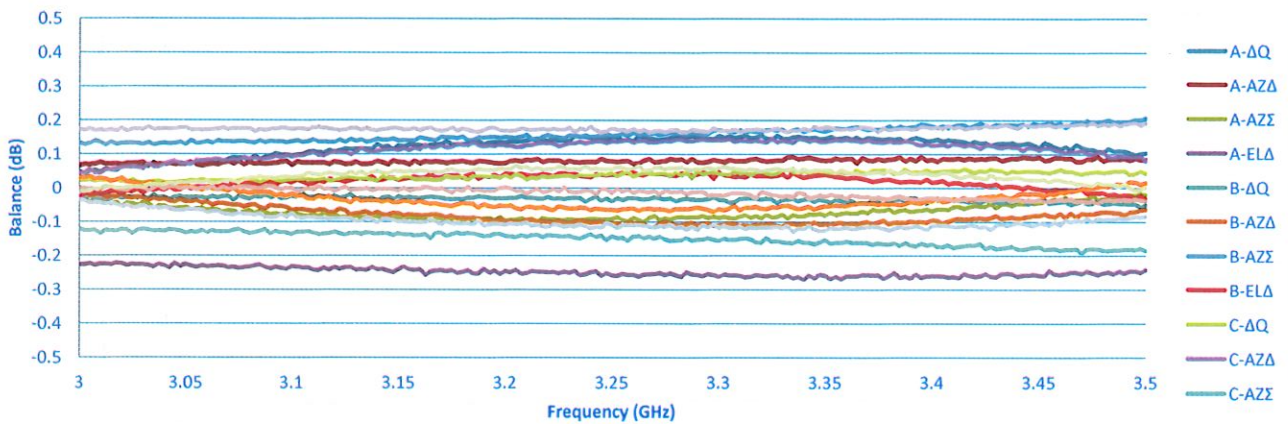
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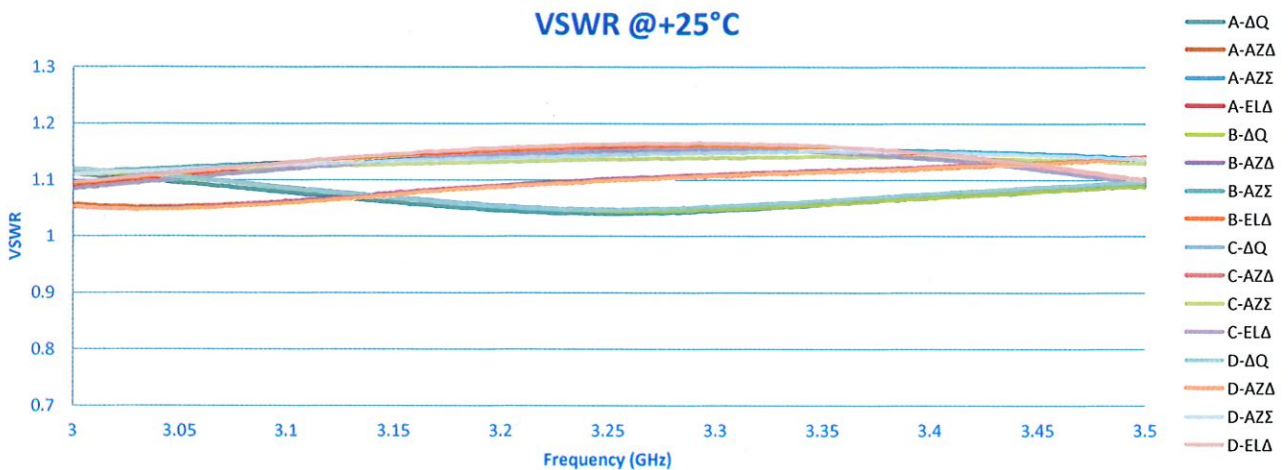
Insertion Loss @+25°C



Amplitude Balance @+25°C



VSWR @+25°C

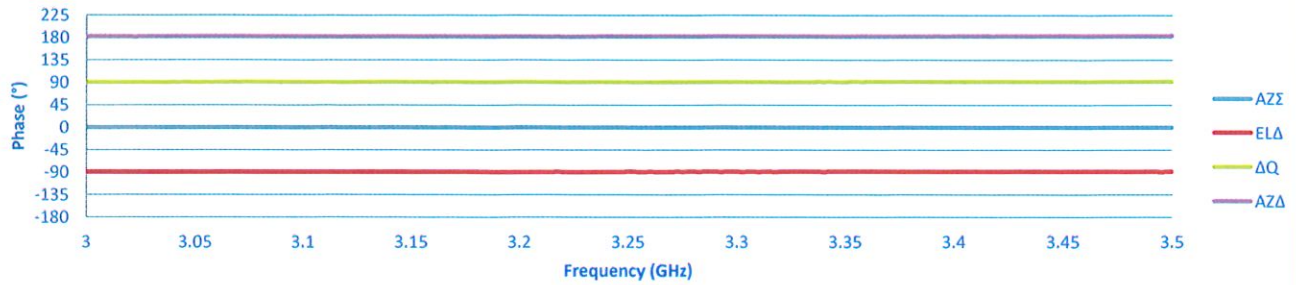




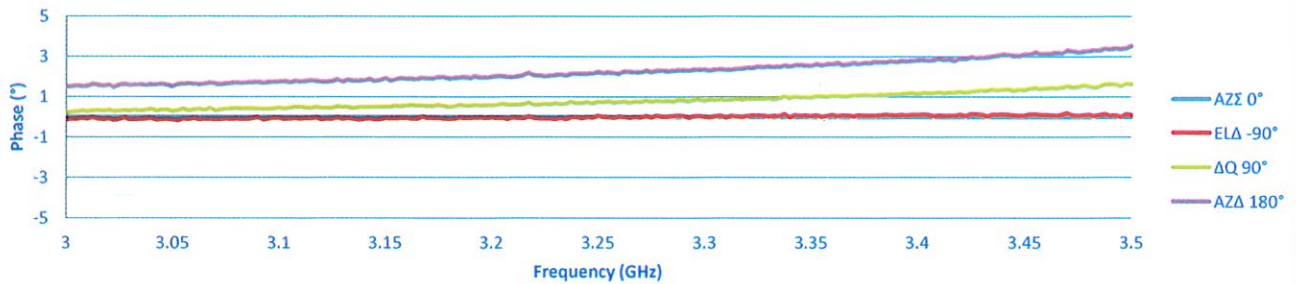
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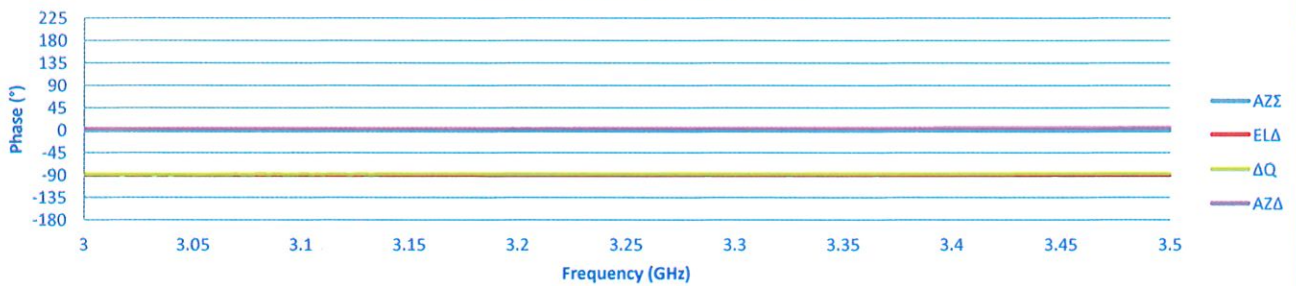
Phase Relative to C-AZΣ



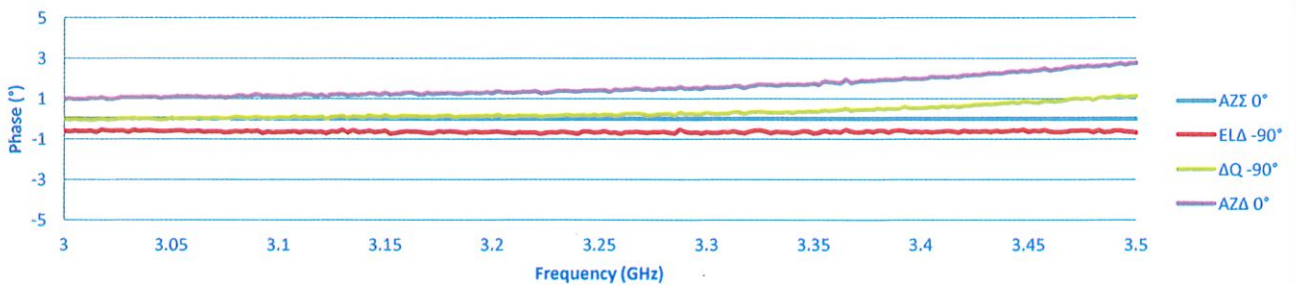
Phase Balance to C-AZΣ



Phase Relative to D-AZΣ



Phase Balance to D-AZΣ



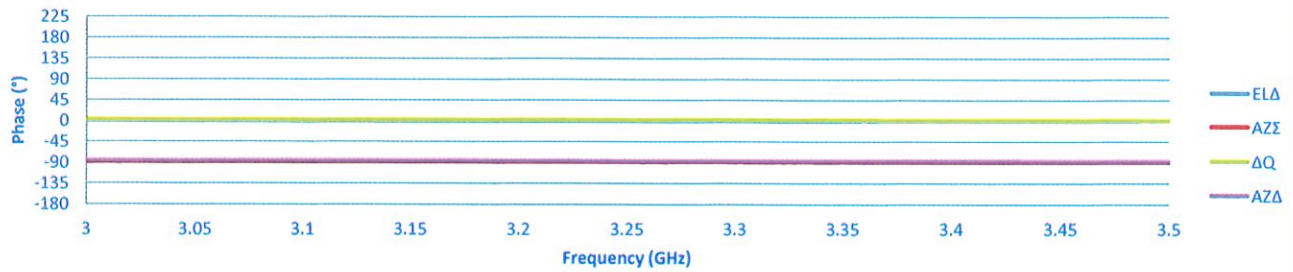
Phase Data Relative to AZΣ	A	A	B	C	D	ELΔ	AZΣ	ΔQ	AZΔ
	A	-	Isolation	Isolation	Isolation	90°	0°	91°	2°
	B	Isolation	-	Isolation	Isolation	90°	0°	-90°	-179°
	C	Isolation	Isolation	-	Isolation	-90°	0°	91°	182°
	D	Isolation	Isolation	Isolation	-	-91°	0°	-89°	2°
	ELΔ	90°	90°	-90°	-91°	-	Isolation	Isolation	Isolation
	AZΣ	0°	0°	0°	0°	Isolation	-	Isolation	Isolation
	ΔQ	91°	-90°	91°	-89°	Isolation	Isolation	-	Isolation
	AZΔ	2°	-179°	182°	2°	Isolation	Isolation	Isolation	-



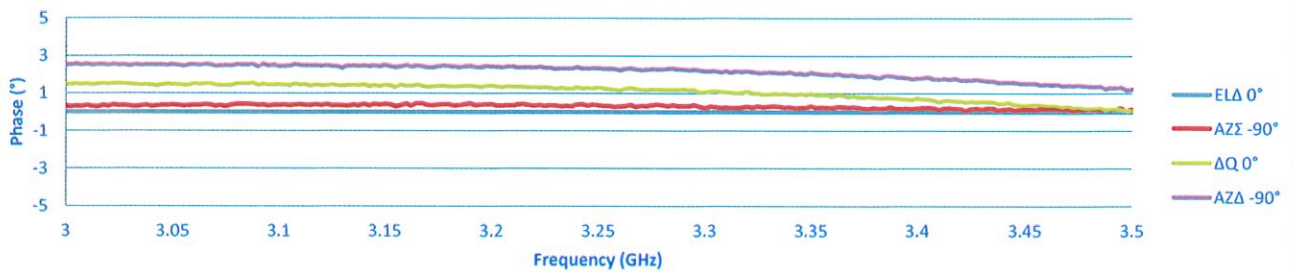
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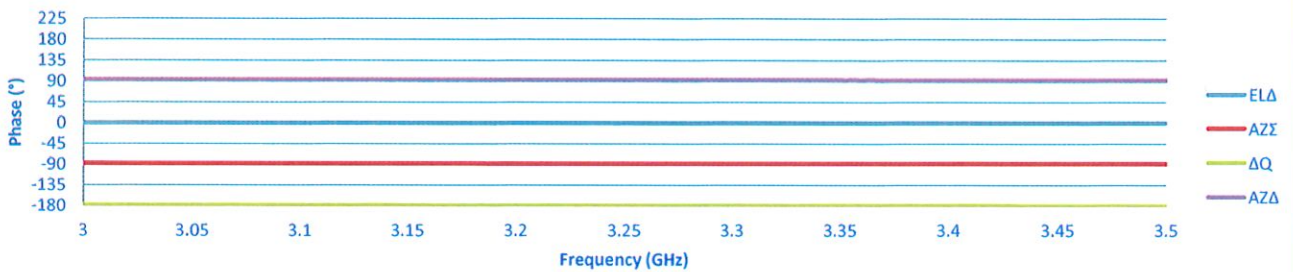
Phase Relative to A-ELΔ



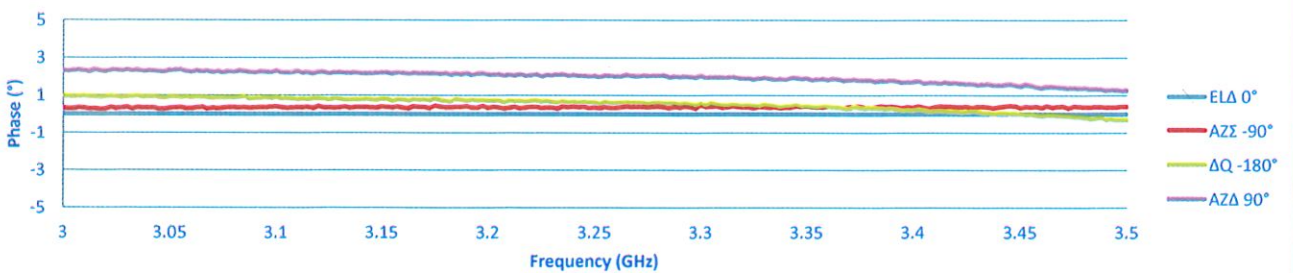
Phase Balance to A-ELΔ



Phase Relative to B-ELΔ



Phase Balance to B-ELΔ

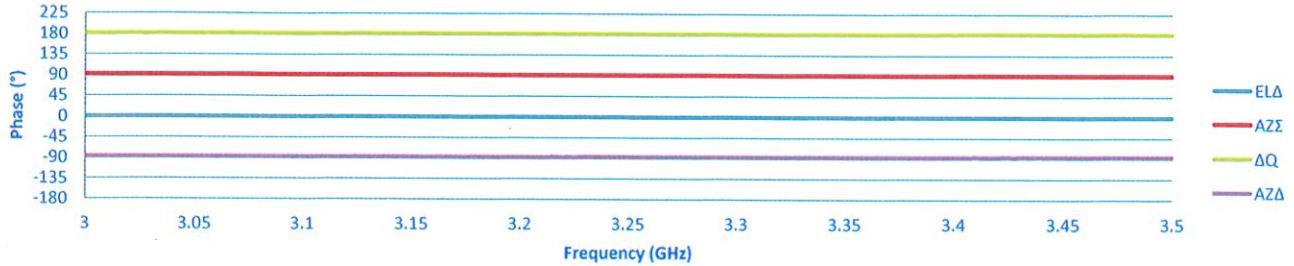




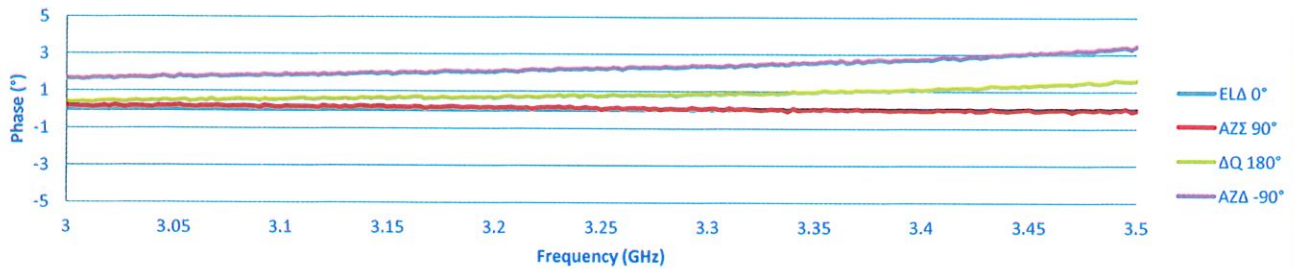
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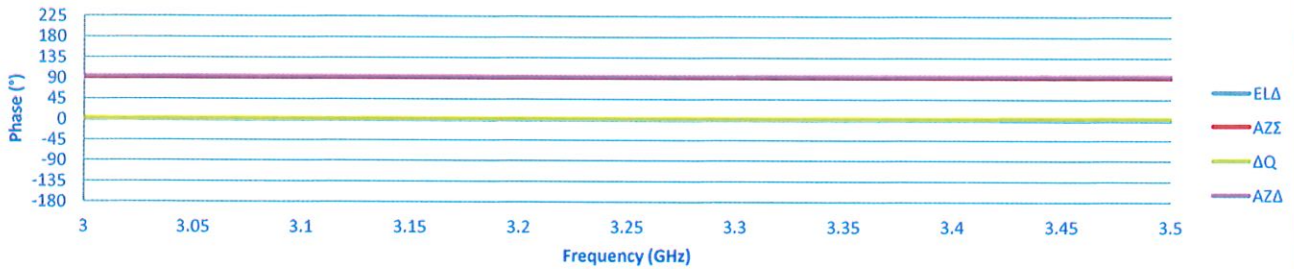
Phase Relative to C-ELΔ



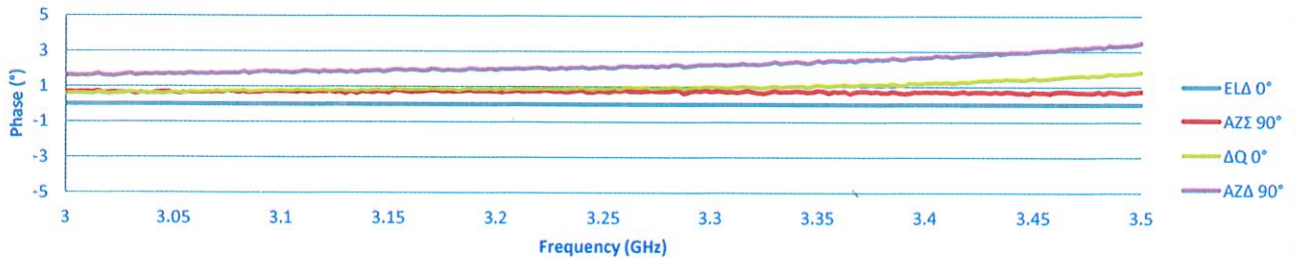
Phase Balance to C-ELΔ



Phase Relative to D-ELΔ



Phase Balance to D-ELΔ



Phase Data Relative to ELΔ		A	B	C	D	ELΔ	AZΣ	ΔQ	AZΔ
	A	-	Isolation	Isolation	Isolation	0°	-90°	1°	-88°
	B	Isolation	-	Isolation	Isolation	0°	-90°	-180°	92°
	C	Isolation	Isolation	-	Isolation	0°	90°	181°	-87°
	D	Isolation	Isolation	Isolation	-	0°	91°	1°	93°
	ELΔ	0°	0°	0°	0°	-	Isolation	Isolation	Isolation
	AZΣ	-90°	-90°	90°	91°	Isolation	-	Isolation	Isolation
	ΔQ	1°	-180°	181°	1°	Isolation	Isolation	-	Isolation
	AZΔ	-88°	92°	-87°	93°	Isolation	Isolation	Isolation	-

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