



SUMMARY TEST DATA ON PMC-24D7-7D5-SFF

Customer: _____
 SO No: _____
 Model No: PMC-24D7-7D5-SFF
 Serial No: PL30938/2051

Tested By: Bryan K.
 Temperature: +25°C
 Date: 12/17/2020
 Drawing No: 27637520 REV: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC	
1	Frequency Range:	2.0 GHz to 4.0 GHz	2.0 to 4.0 GHz	PMI QA 2	
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	-0.86 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)	7.5 dB Maximum	7 dB See Plot		
4	Amplitude Balance:	±1.0 dB Maximum	±0.5 dB See Plot		
5	Phase Balance:	±10°	±6.3°		
6	Isolation:	18 dB Minimum	18 dB		
7	VSWR:	1.4:1 Maximum	1.3:1 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 QA 2

QA/QC Approval: _____

PMI
QA 2

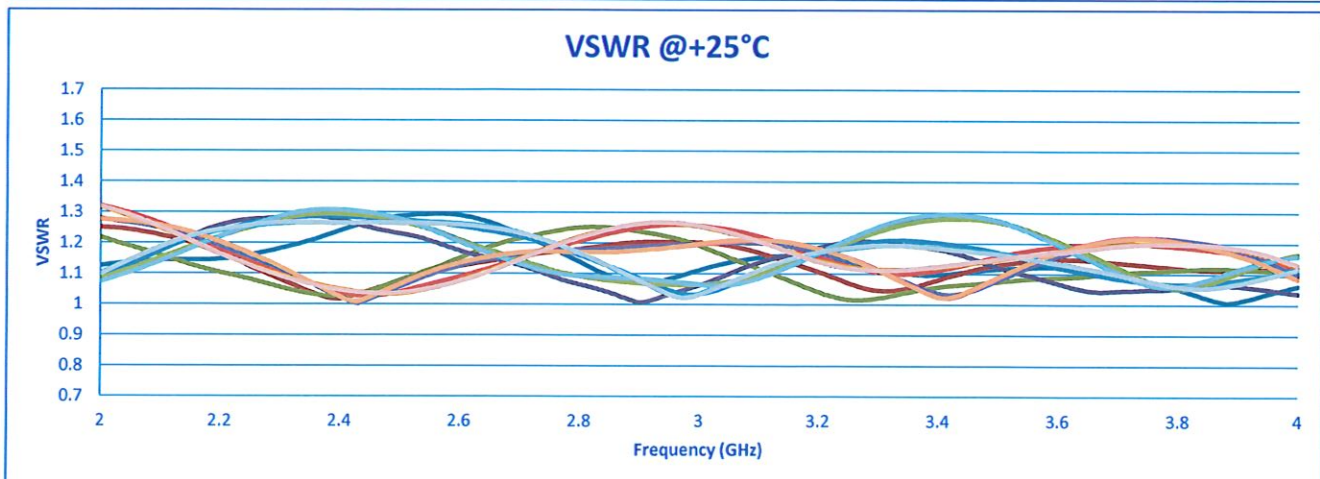
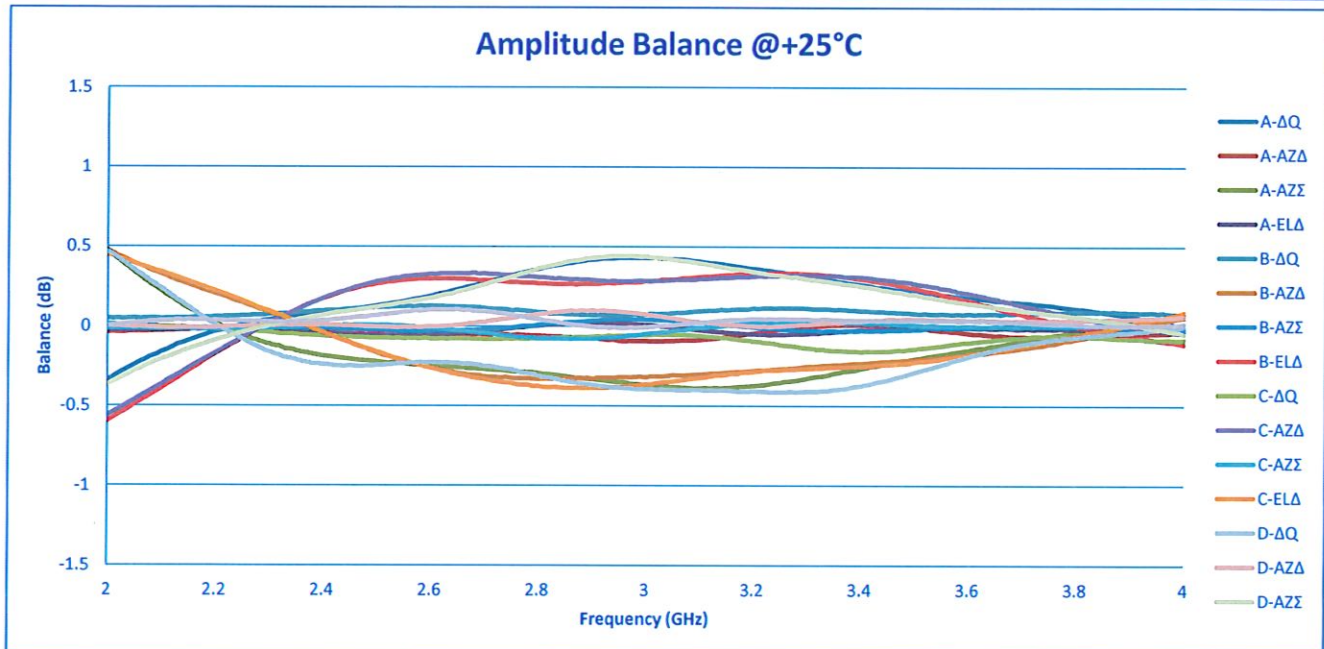
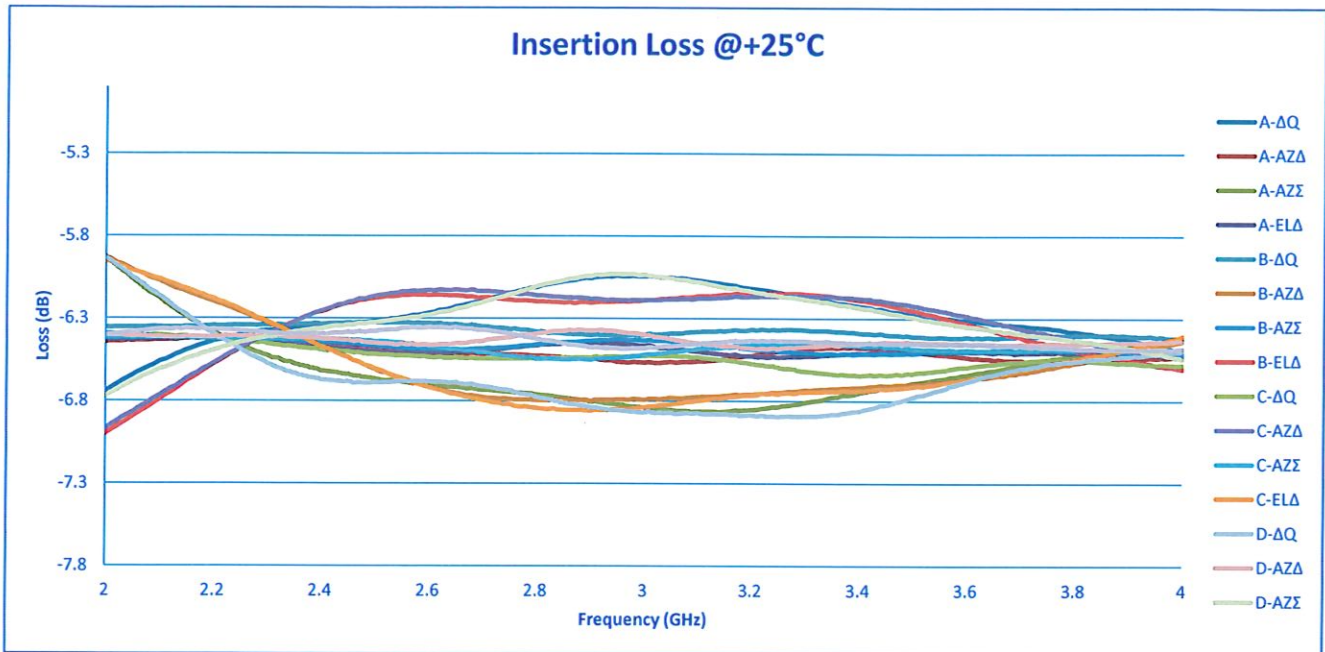
Date: _____

12/21/20



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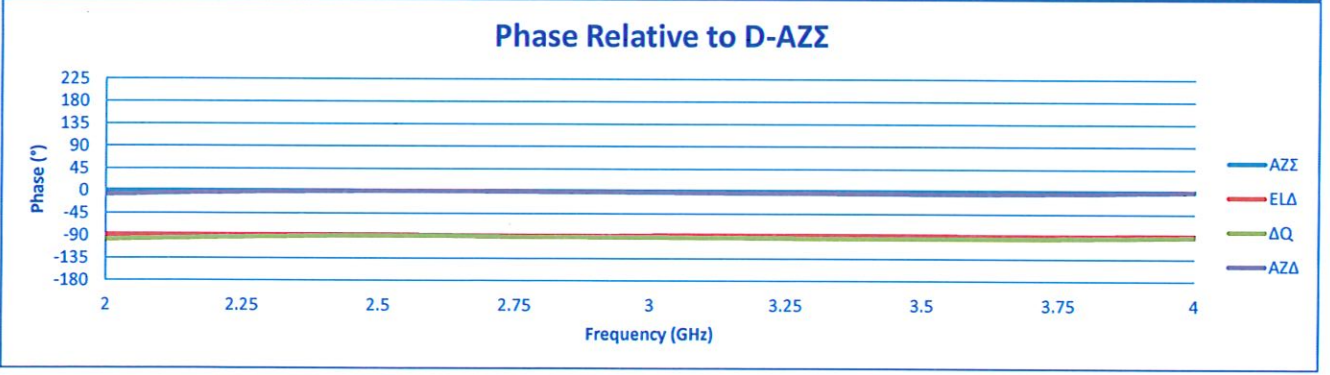
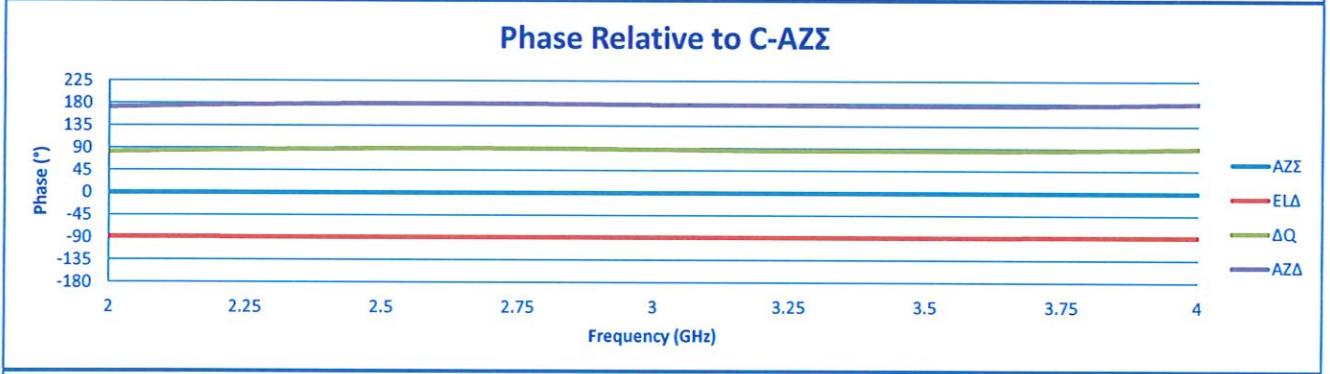
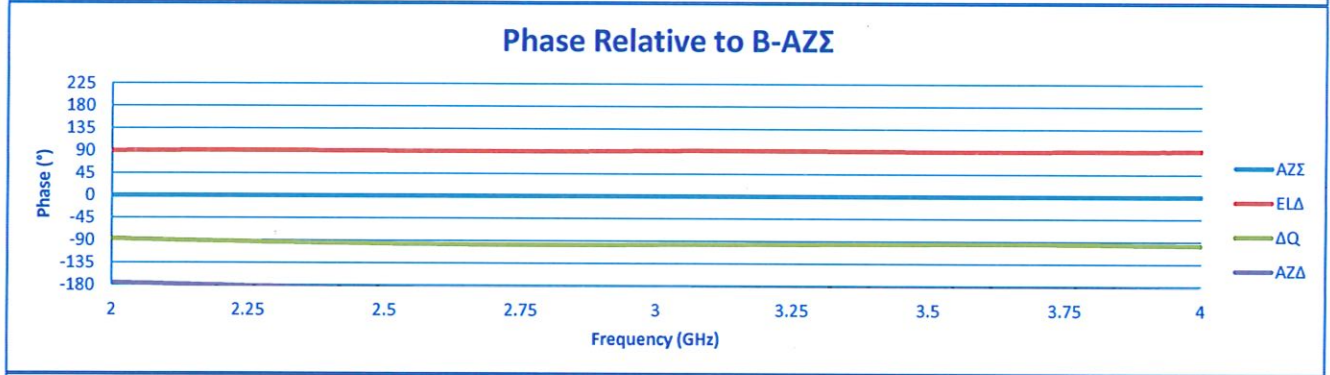
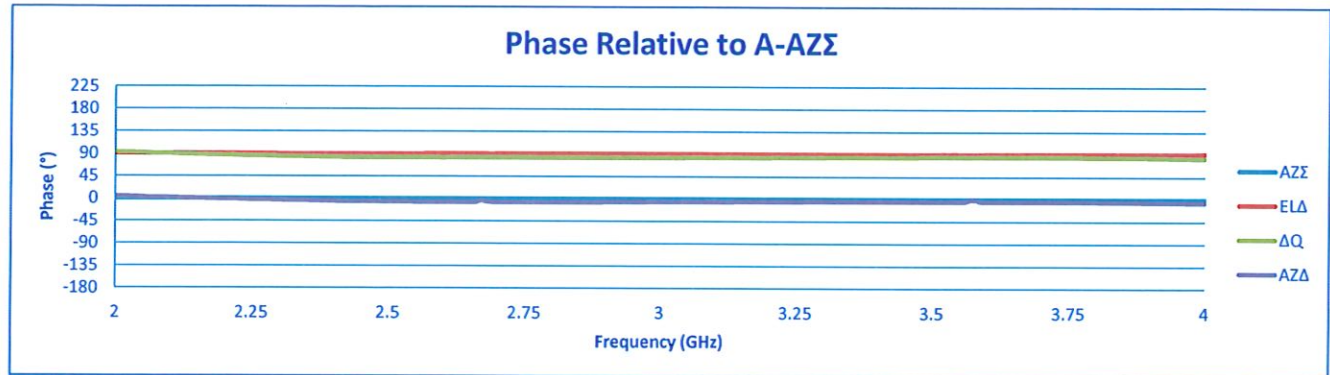
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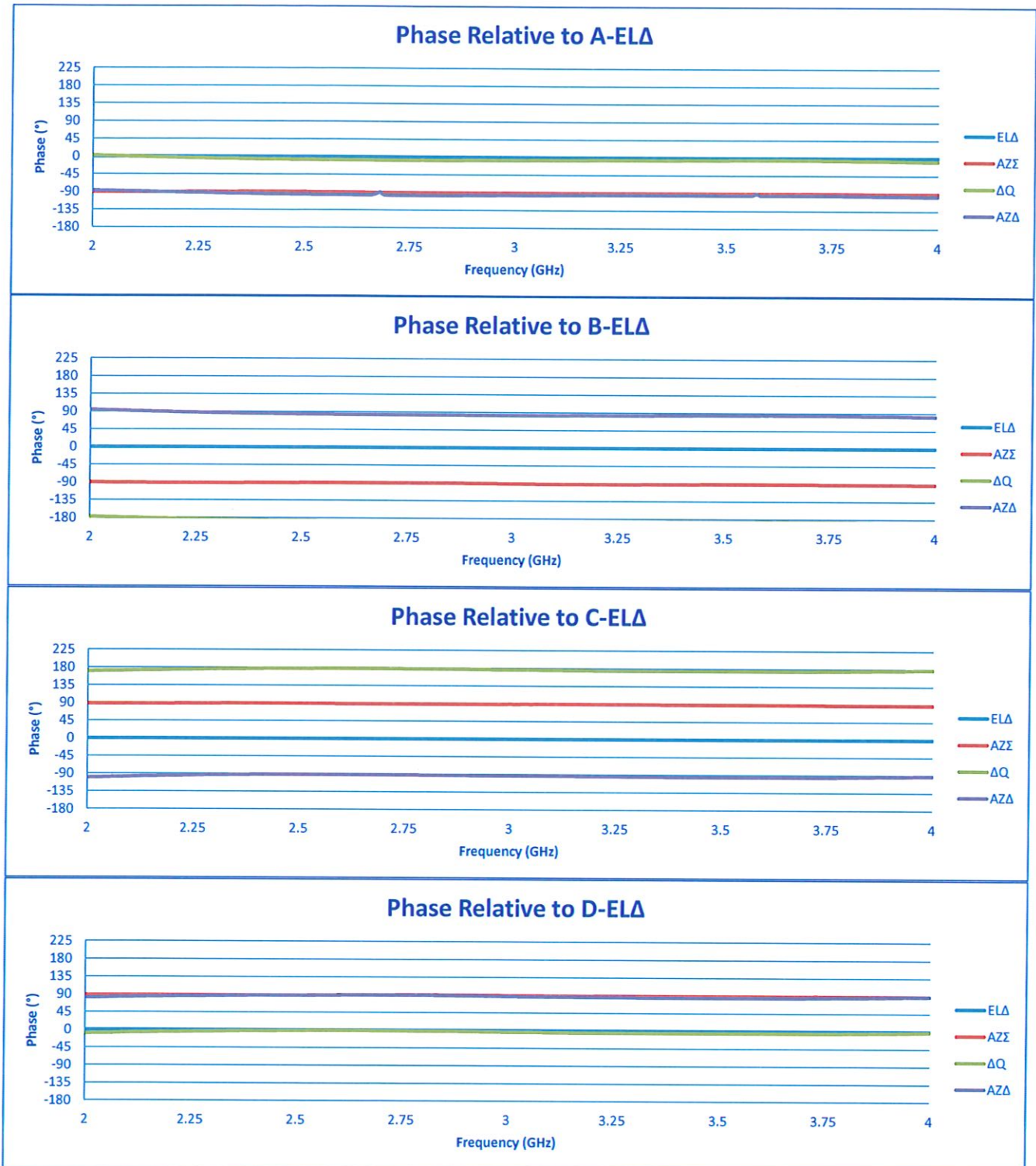


Phase Data Relative to AZΣ	A	B	C	D	ELΔ	AZΣ	ΔQ	AZΔ	
	A	-	Isolation	Isolation	Isolation	91°	0°	88°	-1°
	B	Isolation	-	Isolation	Isolation	91°	0°	-92°	-181°
	C	Isolation	Isolation	-	Isolation	-89°	0°	86°	176°
	D	Isolation	Isolation	Isolation	-	-89°	0°	-93°	-3°
	ELΔ	91°	91°	-89°	-89°	-	Isolation	Isolation	Isolation
	AZΣ	0°	0°	0°	0°	Isolation	-	Isolation	Isolation
	ΔQ	88°	-92°	86°	-93°	Isolation	Isolation	-	Isolation
	AZΔ	-1°	-181°	176°	-3°	Isolation	Isolation	Isolation	-



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Phase Data Relative to ELΔ	A	B	C	D	ELΔ	AZΣ	ΔQ	AZΔ	
	A	-	Isolation	Isolation	Isolation	0°	-91°	-3°	-92°
	B	Isolation	-	Isolation	Isolation	0°	-91°	-183°	88°
	C	Isolation	Isolation	-	Isolation	0°	89°	174°	-96°
	D	Isolation	Isolation	Isolation	-	0°	89°	-5°	85°
ELΔ	0°	0°	0°	0°	-	Isolation	Isolation	Isolation	
AZΣ	-91°	-91°	89°	89°	Isolation	-	Isolation	Isolation	
ΔQ	-3°	-183°	174°	-5°	Isolation	Isolation	-	Isolation	
AZΔ	-92°	88°	-96°	85°	Isolation	Isolation	Isolation	-	