



**SUMMARY TEST DATA  
ON  
PMC-33D7-6D8-SFF**

Customer: \_\_\_\_\_ Tested By: B. Willard  
 SO No: \_\_\_\_\_ Temperature: +25°C  
 Model No: PMC-33D7-6D8-SFF Date: 11/15/2019  
 Serial No: PL27153/1947 Drawing No: 27637520 REV: A1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC	
1	Frequency Range:	3.0 GHz to 3.7 GHz	3.0 to 3.7 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	0.3 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:	±0.5 dB Maximum	±0.3 dB See Plot		
5	Phase Balance:	±7°	±2.1°		
6	Isolation:	24 dB Minimum	30 dB		
7	VSWR:	1.3:1 Maximum	1.2:1 See Plot		
8	Power Handling:	Average: 11 Watt Maximum (Port A, B, C, & D) Peak: 0.1 kW Maximum	11 Watts MAX (Port A, B, C, D)		
9	Impedance:	50 Ω	50 Ω		PMI QA1

QA/QC Approval: \_\_\_\_\_

PMI  
QA1

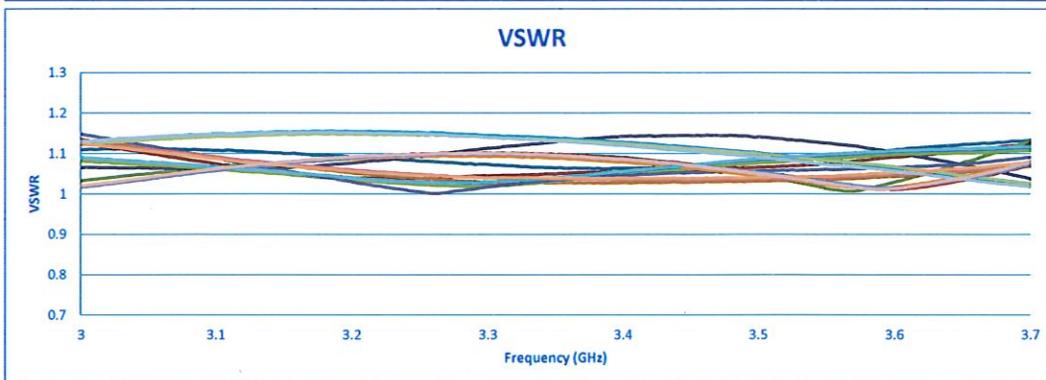
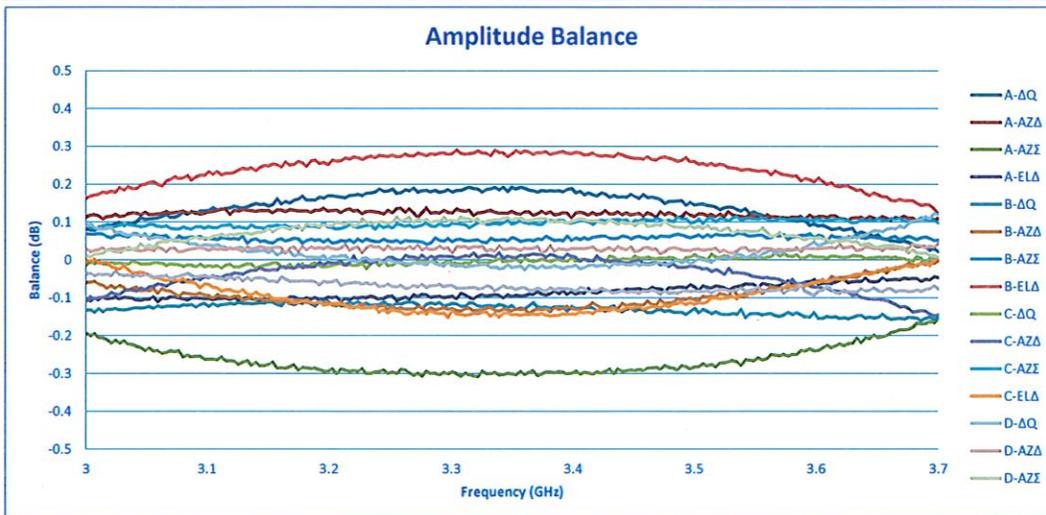
Date: \_\_\_\_\_

11/18/19



# SUMMARY TEST DATA ON PMC-33D7-6D8-SFF

PL27153/1947

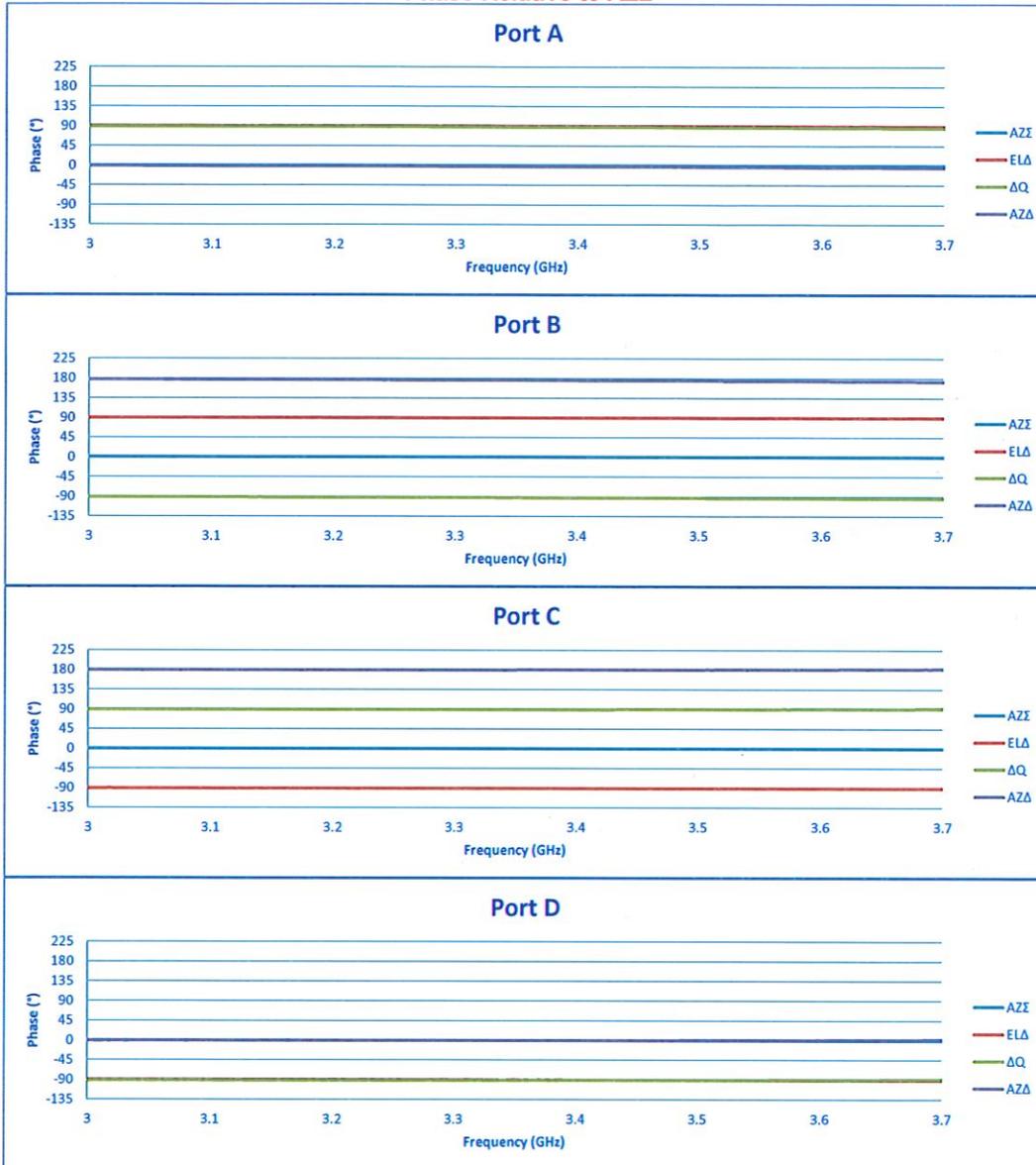




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**Phase Relative to AZΣ**



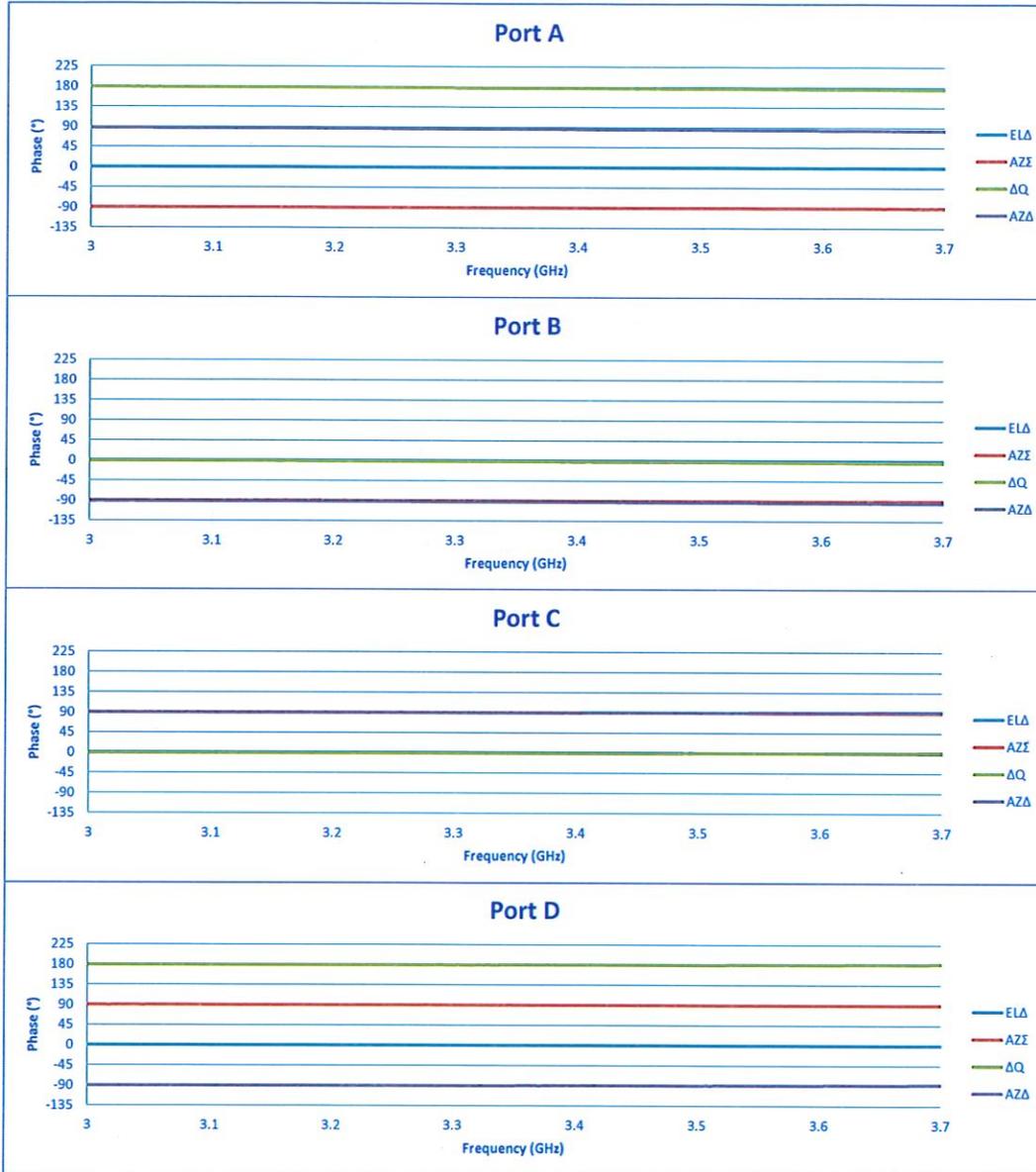
	A	B	C	D	ELΔ	AZΣ	ΔQ	AZΔ	
Phase Data Relative to AZΣ	A	-	Isolation	Isolation	Isolation	+90°	0°	+90°	0°
	B	Isolation	-	Isolation	Isolation	+90°	0°	-90°	+180°
	C	Isolation	Isolation	-	Isolation	-90°	0°	+90°	+180°
	D	Isolation	Isolation	Isolation	-	-90°	0°	-90°	0°
	ELΔ	+90°	+90°	-90°	-90°	-	Isolation	Isolation	Isolation
	AZΣ	0°	0°	0°	0°	Isolation	-	Isolation	Isolation
	ΔQ	+90°	-90°	+90°	-90°	Isolation	Isolation	-	Isolation
	AZΔ	0°	+180°	+180°	0°	Isolation	Isolation	Isolation	-



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**Phase Relative to A-ELΔ**



	A	B	C	D	ELΔ	AZΣ	ΔQ	AZΔ
A	-	Isolation	Isolation	Isolation	0°	-90°	+180°	+90°
B	Isolation	-	Isolation	Isolation	0°	-90°	0°	-90°
C	Isolation	Isolation	-	Isolation	0°	+90°	0°	+90°
D	Isolation	Isolation	Isolation	-	0°	+90°	+180°	-90°
ELΔ	0°	0°	0°	0°	-	Isolation	Isolation	Isolation
AZΣ	-90°	-90°	+90°	+90°	Isolation	-	Isolation	Isolation
ΔQ	+180°	0°	0°	+180°	Isolation	Isolation	-	Isolation
AZΔ	+90°	-90°	+90°	-90°	Isolation	Isolation	Isolation	-