



SUMMARY TEST DATA ON P7T-0R8G18G-60-T-SFF-SMC-LD

Customer: _____
SO No: _____
Model No: P7T-0R8G18G-60-T-SFF-SMC-LD
Serial No: PL32606/2122

Tested By: A. Lopez
Temperature: +25°C
Date: 6/2/2021
Drawing No: 27638800 Rev: A1

TEST ITEM NO.	PARAMETERS		SPECIFIED VALUE		TEST RESULTS		QA QC
1	Frequency Range:		0.8 GHz to 18 GHz		0.8 GHz to 18 GHz		PMI QA 2
2	Insertion Loss:		4.3 dB Max.		4.08 dB (See Plot)		
3	Amplitude Balance:		±1.0 dB Max. @ Room Temp.		±0.65 dB (See Plot)		
4	Phase Balance:		±20.0° Max. @ Room Temp.		±12.18° (See Plot)		
5	Isolation:		60 dB Min.		65.1 dB (See Plot)		
6	VSWR:		In/Out: 2.0:1 Out/Off: 2.0:1		1.99:1 In/Out 1.96:1 Out/Off (See Plot)		
7	Switching Speed:		Rise: 15 ns Max. Fall: 15 ns Max. Delay ON: 75 ns Max. Delay OFF: 75 ns Max.		Rise: 15 ns Fall: 15 ns Delay On: 75 ns Delay Off: 75 ns See Typical Characteristics		
8	Input Power:		+20 dBm CW (Standard) +1 W CW (Survival)		Pass See Typical Characteristics		
9	DC Supply:		+5 V @ 350 mA Max. -5 V @ 100 mA Max.		+5 V @ 300 mA -5 V @ 50 mA		
10	Control Signal:		TTL "0" → (On) 0 to +0.8VDC (Closed Circuit) TTL "1" → (Off) = +2 to +5VDC (Open Circuit)		Pass		PMI QA 2
Specifications Required	Insertion Loss 4.3 dB	VSWR (2:1/9.54 dB)	Isolation 60 dB	Switching Speed 75 ns	Power ≤20 dBm (Std) ≤30 dBm (Survival)	Avg unit Error incl. Temp. Waves ≤0.2 dB	
Performance Variation Inconsistency*	±1.0 dB	±1 dB	±5 dB	±5 ns	Compliant	≤0.75 dB	

QA/QC Approval: _____

PMI
QA 2

Date: _____

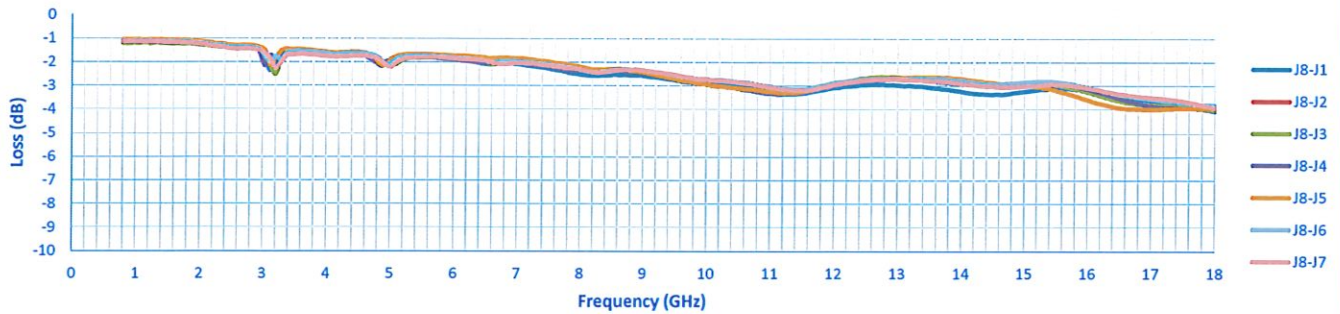
6/4/21



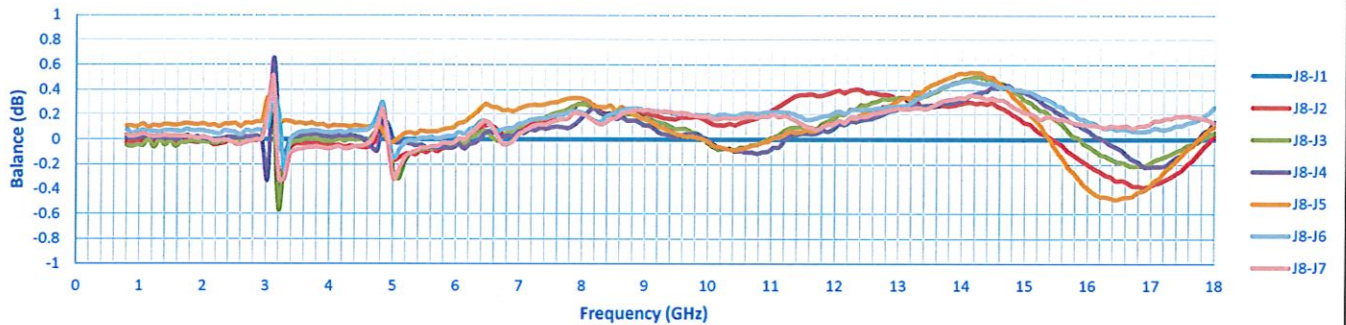
SUMMARY TEST DATA ON P7T-0R8G18G-60-T-SFF-SMC-LD

PL32606/2122

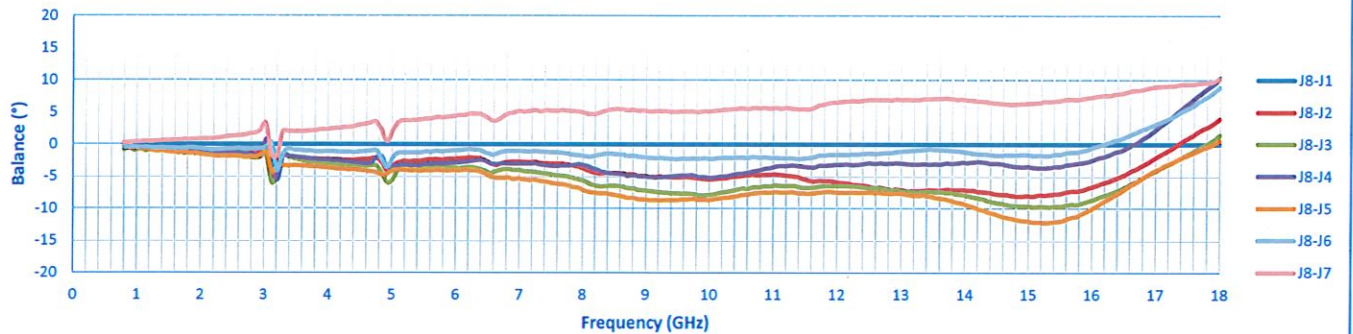
Insertion Loss



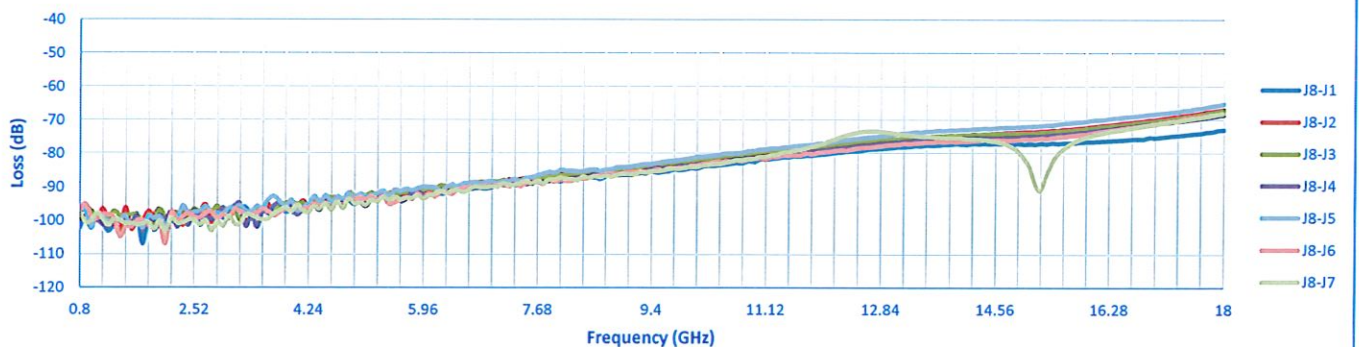
Amplitude Balance



Phase Balance



Isolation

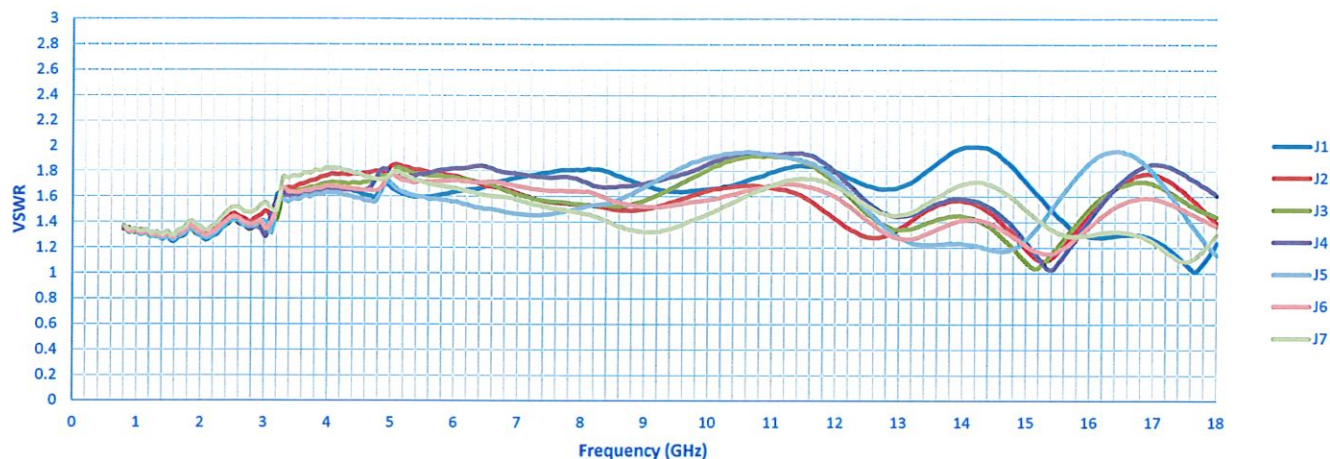




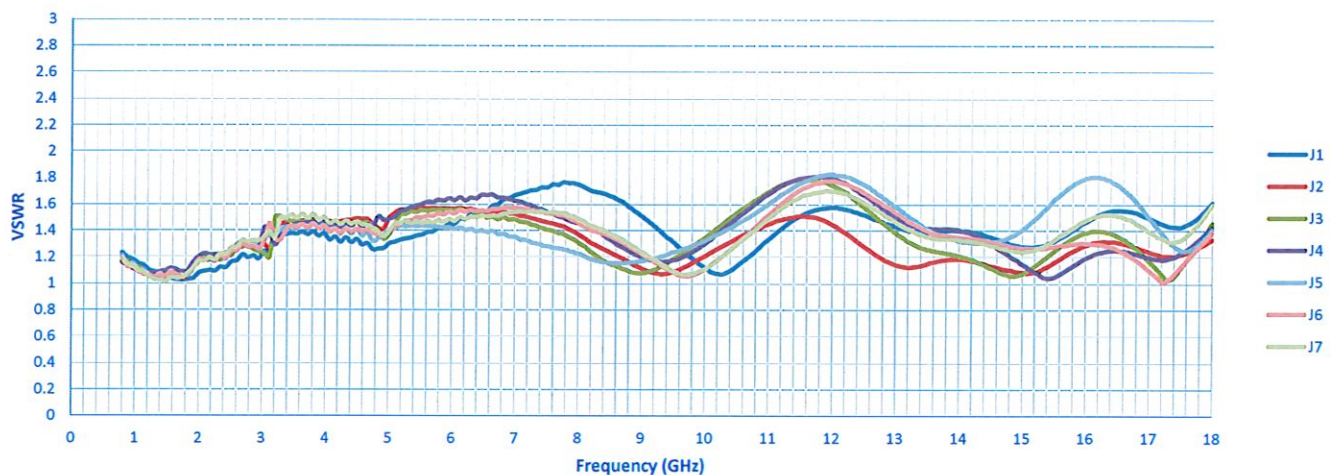
SUMMARY TEST DATA ON P7T-0R8G18G-60-T-SFF-SMC-LD

PL32606/2122

VSWR In



VSWR Out



VSWR Off

