

# SUMMARY TEST DATA ON P2T-12G18G-45-R-SFF-10W

Customer: \_\_\_\_\_  
 SONo: \_\_\_\_\_  
 Model No: P2T-12G18G-45-R-SFF-10W  
 Serial No: PL49644/2442

Tested By: K. Mansfield  
 Temperature: +25°C  
 Date: 10/18/2024  
 Drawing No: 27618993 Rev: B1

TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	12 GHz – 18 GHz	12 GHz – 18 GHz	PMI QA4
2	Insertion Loss:	1.5 dB Typ. 2.0 dB Max.	1.93 dB See Graph	
3	Isolation:	45 dB Min.	46.01 dB See Graph	
4	VSWR:	2.0:1	1.92 See Graph	
5	Rise Time:	20 ns Max.	See Typical Characteristics	
	Fall Time:	20 ns Max.		
6	Delay On:	50 ns Max.		
	Delay Off:	50 ns Max.		
7	Pulse Width:	1 µs Max	See Typical Characteristics	
8	Port To Port Switching:	60 ns Max.	See Typical Characteristics	
9	Maximum PRF:	2 MHz	See Typical Characteristics	
10	Control:	TTL Low (0.2VDC Nominal) = Insertion Loss TTL High (3.5VDC Nominal) = Isolation	Pass	
11	Power Supply:	+15V @ 100 mA Max. -15V @ 75 mA Max.	+15 VDC @ 40 mA -15 VDC @ 1 mA	
12	Peak Power*:	30 Watts Max.	See Typical Characteristics	
13	Average Power*:	10 Watts Max.	See Typical Characteristics	PMI QA4

\*Operating

E1	E2	RF STATE
0	0	J1-J3
1	0	BOTH ON*
0	1	ALL OFF*
1	1	J1-J2
NOT DEFINED*		

QA/QC Approval: *Comoros Helmy*

Date: 11/5/24

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