



**SUMMARY TEST DATA**  
**ON**  
**TD-30T-SHS-218-12G18G-PECL**

Customer: \_\_\_\_\_ Tested By: Fredeswindo C. Cortes  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: TD-30T-SHS-218-12G18G-PECL Date: 02/05/2024  
Serial No: PL44245/2406 Drawing No: 27619243 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	2 TO 18 GHz (Optimized 12 – 18 GHz)	2 TO 18 GHz (Optimized 12 – 18 GHz)	<i>PMI</i> <b>QA3</b>
2	VSWR:	3.0: 1 Max @ -20dBm	2.47:1 (See Plot)	
3	Minimum Signal Level for Logic 1:	-20 dBm @ 2.0 GHz -17 dBm @ 18.0 GHz	-22 dBm @ 2.0 GHz -21 dBm @ 18.0 GHz	
4	Threshold Variation over Frequency (Any 1 GHz Window)	± 0.5 dB	±0.50 dB	
5	Minimum Signal Level for Logic 0	-25 dBm	-23dBm	
6	Dynamic Range:	+10 dBm Max	+10dBm	
7	Propagation Delay from 50% of an input of -20 dBm	15 ns Max	<15nS	
8	Propagation Delay from 50% of an input of +10 dBm	15 ns Max	<15nS	
9	Output Logic:	LVPECL Compatible	LVPECL Compatible	
10	DC Supply:	+15VDC @ 100 mA Max -15VDC @ 100 mA Max	+15VDC @87mA -15VDC @47mA	

QA/QC Approval: *H. [Signature]* Date: 2-6-24



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**Threshold Variation at 25°C**

Freq [GHz]	12 GHz	13 GHz	14 GHz	15 GHz	16 GHz	17 GHz	18 GHz	Variation
P-In [dBm]	-22	-21	-21	-21	-21	-21	-20	±.50

**VSWR Plot**



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