



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

Customer: _____ Tested By: J. Boze
 SO No: _____ Temperature: +25°C
 Model No: TD-30T-SHS-218-12G18G-PECL Date: 09/22/21
 Serial No: PL33798/2138 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)	PMI QA3
2	VSWR:	3.0: 1 Max @ -20dBm	2.95:1 (See Plot)	
3	Minimum Signal Level for Logic 1:	-20 dBm @ 2.0 GHz	-20.4 dBm @ 2.0 GHz	
		-17 dBm @ 18.0 GHz	-18.8 dBm @ 18.0 GHz	
4	Threshold Variation over Frequency (Any 1 GHz Window)	± 0.5 dB	±0.45 dB	
5	Minimum Signal Level for Logic 0	-25 dBm	-25 dBm	
6	Dynamic Range:	+10 dBm Max	+10 dBm	
7	Propagation Delay from 50% of an input of -20 dBm	15 ns Max	See Typical Characteristics	
8	Propagation Delay from 50% of an input of +10 dBm	15 ns Max	See Typical Characteristics	
9	Output Logic:	LVPECL Compatible	LVPECL Compatible	
10	DC Supply:	+15VDC @ 100 mA Max -15VDC @ 100 mA Max	+15VDC @ 90 mA -15VDC @ 30 mA	

QA/QC Approval: *A Zimmerman* Date: 9-23-21



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Threshold Variation

Freq [GHz]	12 GHz	13 GHz	14 GHz	15 GHz	16 GHz	17 GHz	18 GHz	Variation
P-In [dBm] @ 25°C	-19.7	-19.3	-19.5	-20.0	-20.1	-19.2	-18.8	±0.45

VSWR Plot

