



**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: 08/30/2022  
 Serial No: PL37666/2235 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>JB</i> 8-31-22
2	VSWR:	3.0:1 Max @ -20 dBm	2.73:1 (See Plot)	↓
3	Minimum Signal Level for Logic 1:	-20 dBm @ 2.0 GHz	-20.0 dBm @ 2.0 GHz	
		-17 dBm @ 18.0 GHz	-19.7 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	-20.5 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 @ 40 mA	

QA/QC Approval: *Arthur Zimmerman* Date: 8-31-22



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

**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]	-20.5	-19.7	-19.5	-20.4	-19.8	-19.8	-19.7	±0.45

**VSWR Plot**

