



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

PL26380/1941

Customer: _____ Tested By: Simon K.
 SO No: _____ Temperature: +25°C
 Model No: TD-30T-SHS-218-12G18G-PECL Date: 10/10/2019
 Serial No: PL26380/1941 Drawing No: 27619243 Rev: B1

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 QA1
2	VSWR:	3.0: 1 Max @ -20dBm	2.8:1 (See Plot)	
3	Minimum Signal Level for Logic 1:	-20 dBm @ 2.0 GHz	- 20 dBm @ 2.0 GHz	
		-17 dBm @ 18.0 GHz	- 18 dBm @ 18.0 GHz	
4	Threshold Variation over Frequency (Any 1 GHz Window)	± 0.5 dB	±0.4 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	10.6 ns	
8	Propagation Delay from 50% of an input of +10 dBm	15 ns Max	3.1 ns	
9	Output Logic:	LVPECL Compatible	LVPECL Compatible	
10	DC Supply:	+15VDC @ 100 mA Max	+15VDC @ 87 mA	PMI QA1
		-15VDC @ 100 mA Max	-15VDC @ 36 mA	

QA/QC Approval: PMI QA1 Date: 10/14/19



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THRESHOLD VARIATION

FREQ.	12 GHz	13 GHz	14 GHz	15 GHz	16 GHz	17 GHz	18 GHz	VARIATION
Pin @ 25 ° C	-17.8	-17.5	-17.2	-17.5	-18.0	-18.0	-17.9	± 0.4

VSWR PLOT

