



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

Customer: _____ Tested By: K. Mansfield
 SO No: _____ Temperature: +25°C
 Model No: TD-30T-SHS-218-12G18G-PECL Date: 3/25/22
 Serial No: PL36026/2213 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 QA 2 |
| 2 | VSWR: | 3.0: 1 Max @ -20dBm | 2.73:1 (See Plot) | |
| 3 | Minimum Signal Level for Logic 1: | -20 dBm @ 2.0 GHz | -17 dBm @ 2.0 GHz | |
| | | -17 dBm @ 18.0 GHz | -15 dBm @ 18.0 GHz | |
| 4 | Threshold Variation over Frequency (Any 1 GHz Window) | ± 0.5 dB | ±0.5 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 | +15 VDC @ 81 mA | PMI QA 2 |
| | | -15VDC @ 100 mA Max | -15 VDC @ 35 mA | |

QA/QC Approval: 

PMI
QA 2

Date: 3/25/2022



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Return Loss

