



SUMMARY TEST DATA ON DTA-2G18G-60-12-CD-1-20DBM-TS-NSI

Customer: _____ Tested By: E. Kretz
 Job No: _____ Date: Friday, July 30, 2021
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI Temperature: +25° C
 Serial No: PL33221/2130 Drawing No: 27617795 Rev: A2

| TEST. ITEM NO | PARAMETERS | SPECIFIED VALUE | PASS/FAIL | QA QC |
|---------------|---|---|--|-------------|
| 1 | Frequency Range: | 2 GHz – 18 GHz | 2 GHz – 18 GHz | PMI QA 2 |
| 2 | Insertion Loss: | 4.8 dB Max. | 4.5 dB See Plot | |
| 3 | VSWR: | 2.0:1 Max. | 1.66:1 See Plot | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | 0.38 dB See Plot | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | 0.48 dB See Plot | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | 2.56 dB See Plot | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | 0.07 dB See Plot | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | 0.32 dB See Plot | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | 0.33 dB See Plot | |
| 11 | Temp. Sensor: | 10mV/°C, 3.0V @ 25°C | 3 V | |
| 12 | Switching Speed: | On Time: 1.0 µs Max. Off Time: 0.5 µs Max. | <1.0 µs On Time <0.5 µs Off Time See Typical Characteristics | |
| 13 | DC Supply: | +15VDC @ 150 mA Max. | 118 mA | PMI QA 2 |

| Programed Attenuation dB | Attenuation dB | Accuracy of Attenuation dB | Flatness dB ±dB |
|-----------------------------|-------------------|-------------------------------|-----------------------|
| 0.0156 | 0.0170 | 0.00 | 0.01 |
| 0.0313 | 0.0289 | 0.00 | 0.01 |
| 0.0625 | 0.0524 | 0.01 | 0.01 |
| 0.125 | 0.111 | 0.01 | 0.01 |
| 0.25 | 0.24 | 0.01 | 0.02 |
| 0.50 | 0.48 | 0.02 | 0.03 |
| 1.00 | 0.99 | 0.01 | 0.05 |
| 2.00 | 1.99 | 0.01 | 0.10 |
| 4.00 | 4.01 | -0.01 | 0.18 |
| 8.00 | 8.05 | -0.05 | 0.25 |
| 16.00 | 16.03 | 0.14 | 0.30 |
| 32.00 | 31.86 | 0.14 | 0.44 |

| Programed Attenuation dB | Attenuation dB | Accuracy of Attenuation dB | Flatness dB ±dB |
|-----------------------------|-------------------|-------------------------------|-----------------------|
| 5.00 | 5.03 | -0.03 | 0.20 |
| 10.00 | 10.06 | -0.06 | 0.24 |
| 15.00 | 14.93 | 0.07 | 0.29 |
| 20.00 | 19.98 | 0.02 | 0.38 |
| 25.00 | 24.86 | 0.14 | 0.43 |
| 30.00 | 29.86 | 0.14 | 0.47 |
| 35.00 | 34.70 | 0.30 | 0.48 |
| 40.00 | 39.68 | 0.32 | 0.45 |
| 45.00 | 44.67 | 0.33 | 0.45 |
| 50.00 | 49.95 | 0.05 | 0.64 |
| 55.00 | 54.68 | 0.32 | 1.29 |
| 60.00 | 60.21 | -0.21 | 2.56 |

QA/QC Approval: _____

PMI
QA 2

Date: 7/30/2021



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