



SUMMARY TEST DATA ON DTA-0R4G18G-60-CD-1

Customer: _____
 Job No: _____
 Model No: DTA-0R4G18G-60-CD-1
 Serial No: PL27673/2005

Tested By: K. Mansfield
 Date: Friday, January 31, 2020
 Temperature: +25° C
 Drawing No: 27637160 Rev: A1

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | RESULTS | QA QC | |
|---------------|---|-----------------------------------|---|-------------|-------------|
| 1 | Frequency Range: | 0.4 GHz – 18 GHz | 0.4 GHz – 18 GHz | PMI QA 1 | |
| 2 | Insertion Loss: | 4.8 dB Max. | 3.7 dB See Plot | | |
| 3 | VSWR: | 2.0:1 Max. | 1.8:1 See Plot | | |
| 4 | Flatness to 20 dB: | ± 1.0 dB Typ. | ±0.55 dB See Plot | | |
| 6 | Flatness to 40 dB: | ± 1.25 dB Typ. | ±1.02 dB See Plot | | |
| 7 | Flatness to 60 dB: | ± 3.0 dB Typ. | ±4.45 dB See Plot | | |
| 8 | Accuracy of Attenuation 0 to 20 dB: | ± 1.0 dB Typ. | ±0.09 dB See Plot | | |
| 9 | Accuracy of Attenuation 20 to 40 dB: | ± 1.5 dB Typ. | ±0.05 dB See Plot | | |
| 10 | Accuracy of Attenuation 40 to 60 dB: | ± 2.0 dB Typ. | ±0.04 dB See Plot | | |
| 11 | Switching Speed: | 1.0 µs Max. On 0.5 µs Max. Off | < 1.0 us See Typical Characteristics | | |
| 12 | DC Supply: | +15VDC @ 150 mA | 112 mA | | PMI QA 1 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 0.0625 | 0.05 | 0.01 | 0.01 |
| 0.125 | 0.11 | 0.02 | 0.01 |
| 0.25 | 0.24 | 0.01 | 0.02 |
| 0.50 | 0.48 | 0.02 | 0.04 |
| 1.00 | 0.99 | 0.01 | 0.08 |
| 2.00 | 1.99 | 0.01 | 0.17 |
| 4.00 | 4.00 | 0.00 | 0.32 |
| 8.00 | 8.00 | 0.00 | 0.48 |
| 16.00 | 15.99 | 0.00 | 0.44 |
| 32.00 | 32.00 | 0.00 | 0.78 |
| 62.00 | 62.04 | -0.04 | 5.34 |
| 63.94 | 63.96 | -0.03 | 6.52 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB | dB | dB | ±dB |
| 5.00 | 4.98 | 0.02 | 0.39 |
| 10.00 | 9.99 | 0.01 | 0.44 |
| 15.00 | 14.91 | 0.09 | 0.43 |
| 20.00 | 19.98 | 0.02 | 0.55 |
| 25.00 | 24.95 | 0.05 | 0.74 |
| 30.00 | 30.01 | -0.01 | 0.77 |
| 35.00 | 34.99 | 0.01 | 0.86 |
| 40.00 | 40.00 | 0.00 | 1.02 |
| 45.00 | 44.97 | 0.03 | 1.30 |
| 50.00 | 50.04 | -0.04 | 1.81 |
| 55.00 | 55.00 | 0.00 | 2.80 |
| 60.00 | 60.00 | 0.00 | 4.45 |

QA/QC Approval: *[Signature]*

PMI
QA 1

Date: 2/7/20



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