



SUMMARY TEST DATA ON DTA-100M40G-30-CD-1

Customer: _____
 Job No: _____
 Model No: DTA-100M40G-30-CD-1
 Serial No: PL39748/2309

Tested By: K. Mansfield
 Temperature: +25° C
 Date: Tuesday, February 28, 2023
 Drawing No: 27615615 Rev: A2

| TEST ITEM NO. | PARAMETERS | SPECIFIED VALUE | PASS/FAIL | QA QC | |
|---------------|----------------------------|--|--------------------------------|------------|------------|
| 1 | Frequency Range: | 100 MHz to 40 GHz | 100 MHz to 40 GHz | PMI QA2 | |
| 2 | Mean Attenuation Range: | 30 dB | 31.1 dB | | |
| 3 | Insertion Loss: | 5.0 dB Typ. (Up to 20 GHz) 8.0 dB Typ. (Up to 40 GHz) | 4.49 dB 6.06 dB See Plot | | |
| 4 | VSWR: | 2.5:1 Typ. | 2.1:1 See Plot | | |
| 5 | Accuracy of Attenuation: | ± 2.5 dB Typ. | ±0.15 dB See Plot | | |
| 6 | Minimum Attenuation Step: | 1.0 dB | 0.96 dB See Plot | | |
| 7 | Power Handling Capability: | +24 dBm CW Max. | See Typical Characteristics | | |
| 8 | Input 1 dB Compression: | +20 dBm Typ. | See Typical Characteristics | | |
| 9 | Switching Speed: | On: 1.0 µs Max. Off: 0.5 µs Max. | See Typical Characteristics | | |
| 10 | DC Supply: | +15VDC @ 50 mA Max. | 34 mA | | PMI QA2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness |
|-----------------------|-------------|-------------------------|----------|
| dB | dB | dB | ±dB |
| 1.00 | 0.96 | 0.04 | 0.16 |
| 2.00 | 1.93 | 0.07 | 0.35 |
| 4.00 | 3.89 | 0.11 | 0.54 |
| 8.00 | 7.86 | 0.14 | 0.79 |
| 16.00 | 15.92 | 0.08 | 1.40 |
| 31.00 | 31.08 | -0.08 | 2.10 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness |
|-----------------------|-------------|-------------------------|----------|
| dB | dB | dB | ±dB |
| 5.00 | 4.87 | 0.13 | 0.56 |
| 10.00 | 9.86 | 0.14 | 0.94 |
| 15.00 | 14.91 | 0.09 | 1.33 |
| 20.00 | 19.98 | 0.02 | 1.65 |
| 25.00 | 25.02 | -0.02 | 1.92 |
| 30.00 | 30.07 | -0.07 | 2.15 |

QA/QC Approval: PMI QA2

Date: 2/28/2023



