

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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS  
 Serial No: PL27759/2006

Tested By: K. Wagaman  
 Date: Wednesday, June 7, 2023  
 Temperature: +25° C  
 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<br>QA2 |            |
| 2             | Insertion Loss:                         | 4.8 dB Max.                                   | 4.5 dB<br>See Plot   |            |            |
| 3             | VSWR:                                   | 2.0:1 Max.                                    | 1.81:1<br>See Plot   |            |            |
| 4             | Flatness to 20 dB:                      | ± 1.0 dB Typ.                                 | 0.72 dB<br>See Plot  |            |            |
| 6             | Flatness to 40 dB:                      | ± 1.25 dB Typ.                                | 0.72 dB<br>See Plot  |            |            |
| 7             | Flatness to 60 dB:                      | ± 3.0 dB Typ.                                 | 1.94 dB<br>See Plot  |            |            |
| 8             | Accuracy of Attenuation<br>0 to 20 dB:  | ± 1.0 dB Typ.                                 | 0.15 dB<br>See Plot  |            |            |
| 9             | Accuracy of Attenuation<br>20 to 40 dB: | ± 1.5 dB Typ.                                 | 0.17 dB<br>See Plot  |            |            |
| 10            | Accuracy of Attenuation<br>40 to 60 dB: | ± 2.0 dB Typ.                                 | 0.17 dB<br>See Plot  |            |            |
| 11            | Temp. Sensor:                           | 10mV/°C, 3.0V @ 25°C                          | 3.04 V   |            |            |
| 12            | Switching Speed:                        | On Time: 1.0 µs Max.<br>Off Time: 0.5 µs Max. | <1.0 µs On Time<br><0.5 µs Off Time<br>See Typical Characteristics |            |            |
| 13            | DC Supply:                              | +15VDC @ 150 mA Max.                          | 118 mA   |            | PMI<br>QA2 |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB                    | dB          | dB                      | ±dB         |
| 0.0156                | 0.0137      | 0.00                    | 0.00        |
| 0.0313                | 0.0281      | 0.00                    | 0.00        |
| 0.0625                | 0.0628      | 0.00                    | 0.01        |
| 0.125                 | 0.129       | 0.00                    | 0.01        |
| 0.25                  | 0.25        | 0.00                    | 0.02        |
| 0.50                  | 0.50        | 0.00                    | 0.03        |
| 1.00                  | 1.00        | 0.00                    | 0.06        |
| 2.00                  | 2.00        | 0.00                    | 0.13        |
| 4.00                  | 4.00        | 0.00                    | 0.25        |
| 8.00                  | 8.02        | -0.02                   | 0.47        |
| 16.00                 | 16.08       | -0.17                   | 0.72        |
| 32.00                 | 32.17       | -0.17                   | 0.47        |

| Programed Attenuation | Attenuation | Accuracy of Attenuation | Flatness dB |
|-----------------------|-------------|-------------------------|-------------|
| dB                    | dB          | dB                      | ±dB         |
| 5.00                  | 4.85        | 0.15                    | 0.30        |
| 10.00                 | 10.02       | -0.02                   | 0.55        |
| 15.00                 | 15.02       | -0.02                   | 0.70        |
| 20.00                 | 20.07       | -0.07                   | 0.68        |
| 25.00                 | 25.07       | -0.07                   | 0.64        |
| 30.00                 | 30.15       | -0.15                   | 0.52        |
| 35.00                 | 35.08       | -0.08                   | 0.53        |
| 40.00                 | 40.12       | -0.12                   | 0.59        |
| 45.00                 | 45.17       | -0.17                   | 0.65        |
| 50.00                 | 50.16       | -0.16                   | 1.00        |
| 55.00                 | 55.11       | -0.11                   | 1.53        |
| 60.00                 | 60.06       | -0.06                   | 1.94        |

QA/QC Approval: *[Signature]*

PMI  
QA2

Date: 6/8/2023

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