



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

Customer: \_\_\_\_\_  
 Job No: \_\_\_\_\_  
 Model No: DTA-2G18G-60-12-CD-1-20DBM-TS-NSI  
 Serial No: PL33290/2131

Tested By: K. Mansfield  
 Date: Friday, August 6, 2021  
 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>QA 2 |             |
| 2             | Insertion Loss:                         | 4.8 dB Max.                                   | 4.6 dB<br>See Plot   |             |             |
| 3             | VSWR:                                   | 2.0:1 Max.                                    | 1.87:1<br>See Plot   |             |             |
| 4             | Flatness to 20 dB:                      | ± 1.0 dB Typ.                                 | 0.59 dB<br>See Plot  |             |             |
| 6             | Flatness to 40 dB:                      | ± 1.25 dB Typ.                                | 0.79 dB<br>See Plot  |             |             |
| 7             | Flatness to 60 dB:                      | ± 3.0 dB Typ.                                 | 1.54 dB<br>See Plot  |             |             |
| 8             | Accuracy of Attenuation<br>0 to 20 dB:  | ± 1.0 dB Typ.                                 | 0.21 dB<br>See Plot  |             |             |
| 9             | Accuracy of Attenuation<br>20 to 40 dB: | ± 1.5 dB Typ.                                 | 0.28 dB<br>See Plot  |             |             |
| 10            | Accuracy of Attenuation<br>40 to 60 dB: | ± 2.0 dB Typ.                                 | 0.49 dB<br>See Plot  |             |             |
| 11            | Temp. Sensor:                           | 10mV/°C, 3.0V @ 25°C                          | 2.99 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.                          | 120 mA   |             | PMI<br>QA 2 |

| Programed Attenuation<br>dB | Attenuation<br>dB | Accuracy of Attenuation<br>dB | Flatness<br>dB<br>±dB |
|-----------------------------|-------------------|-------------------------------|-----------------------|
| 0.0156                      | 0.0207            | -0.01                         | 0.01                  |
| 0.0313                      | 0.0342            | 0.00                          | 0.01                  |
| 0.0625                      | 0.0579            | 0.00                          | 0.01                  |
| 0.125                       | 0.114             | 0.01                          | 0.01                  |
| 0.25                        | 0.23              | 0.02                          | 0.02                  |
| 0.50                        | 0.46              | 0.04                          | 0.03                  |
| 1.00                        | 0.95              | 0.05                          | 0.07                  |
| 2.00                        | 1.92              | 0.08                          | 0.13                  |
| 4.00                        | 3.90              | 0.10                          | 0.22                  |
| 8.00                        | 7.92              | 0.08                          | 0.28                  |
| 16.00                       | 16.07             | -0.24                         | 0.49                  |
| 32.00                       | 32.24             | -0.24                         | 0.75                  |

| Programed Attenuation<br>dB | Attenuation<br>dB | Accuracy of Attenuation<br>dB | Flatness<br>dB<br>±dB |
|-----------------------------|-------------------|-------------------------------|-----------------------|
| 5.00                        | 4.79              | 0.21                          | 0.23                  |
| 10.00                       | 9.96              | 0.04                          | 0.33                  |
| 15.00                       | 15.00             | 0.00                          | 0.47                  |
| 20.00                       | 20.17             | -0.17                         | 0.59                  |
| 25.00                       | 25.14             | -0.14                         | 0.69                  |
| 30.00                       | 30.28             | -0.28                         | 0.79                  |
| 35.00                       | 35.25             | -0.25                         | 0.76                  |
| 40.00                       | 40.27             | -0.27                         | 0.70                  |
| 45.00                       | 45.28             | -0.28                         | 0.61                  |
| 50.00                       | 50.09             | -0.09                         | 0.70                  |
| 55.00                       | 54.98             | 0.02                          | 0.86                  |
| 60.00                       | 60.49             | -0.49                         | 1.54                  |

QA/QC Approval: \_\_\_\_\_

PMI  
QA 2

Date: 8/12/2021



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