

**SUMMARY TEST DATA  
ON  
PEC-30-10M20-SFF**

Customer: \_\_\_\_\_

Tested By: Fred Cortes

SO No: \_\_\_\_\_

Temperature: +25° C

Model No: PEC-30-10M20-SFF

Date: 12/19/2023

Serial No: PL43433/2351

Drawing No: 27633840

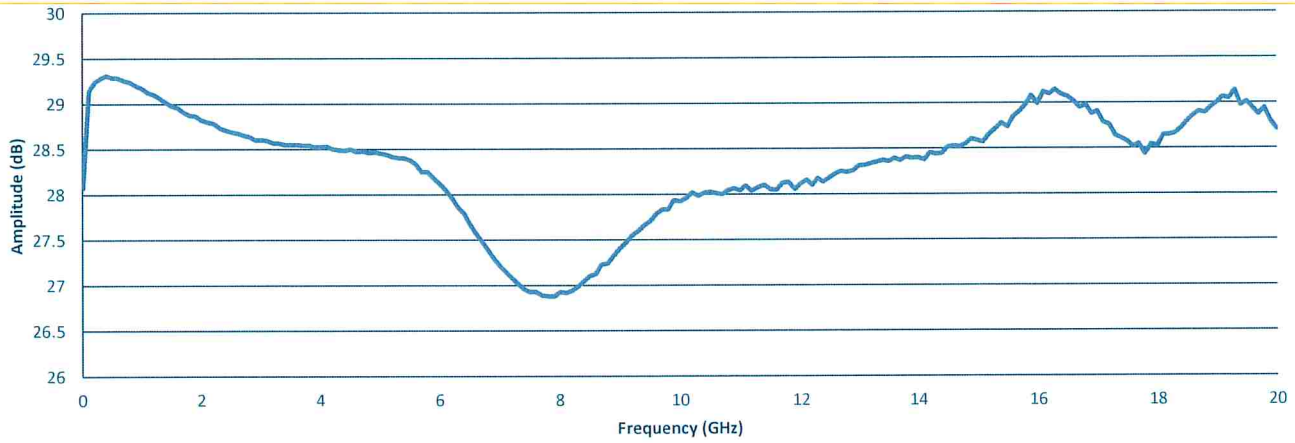
REV: A2

| TEST ITEM NO. | PARAMETERS       | SPECIFIED VALUE                                                                                  | Test Results                               | QA QC      |
|---------------|------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------|------------|
| 1             | Frequency Range: | 10 MHz to 20.0 GHz                                                                               | 10 MHz to 20.0 GHz                         | PMI<br>QA3 |
| 2             | Gain:            | 26 dB Typ. (10 MHz to 18 GHz)<br>28 dB Typ. (18 to 20 GHz)                                       | +26.9 dB Min.<br>+28.5 dB Min.<br>See Plot |            |
| 3             | Gain Flatness:   | ±2.0 dB Typ. (10 MHz to 18 GHz)<br>±2.5 dB Typ. (18 to 20 GHz)                                   | ±1.22 dB<br>±1.04 dB<br>See Plot           |            |
| 4             | Noise Figure:    | 3.0 dB Typ. (20 MHz to 0.5 GHz)<br>2.5 dB Typ. (0.5 MHz to 18 GHz)<br>3.3 dB Typ. (18 to 20 GHz) | 2.3 dB<br>4 dB<br>3.3 dB<br>See Plot       |            |
| 5             | OP1dB:           | +14 dBm Typ. (10 MHz to 18 GHz)<br>+13 dBm Typ. (18 to 20 GHz)                                   | +15.7 dBm<br>+16.4 dBm<br>See Plot         |            |
| 6             | Psat             | +13 dBm Min.                                                                                     | +16.6 dBm<br>See Plot                      |            |
| 7             | VSWR Input       | 2.0:1 Max. (10 MHz to 18 GHz)<br>2.2:1 Typ. (18 to 20 GHz)                                       | 1.97:1<br>2.18:1<br>See Plot               |            |
| 8             | VSWR Output:     | 2.1:1 Max. (10 MHz to 18 GHz)<br>2.4:1 Typ. (18 to 20 GHz)                                       | 2.09:1<br>1.9:1<br>See Plot                |            |
| 9             | DC Supply:       | +12 to +15 VDC<br>@ 170 mA MAX.                                                                  | 142 mA                                     |            |

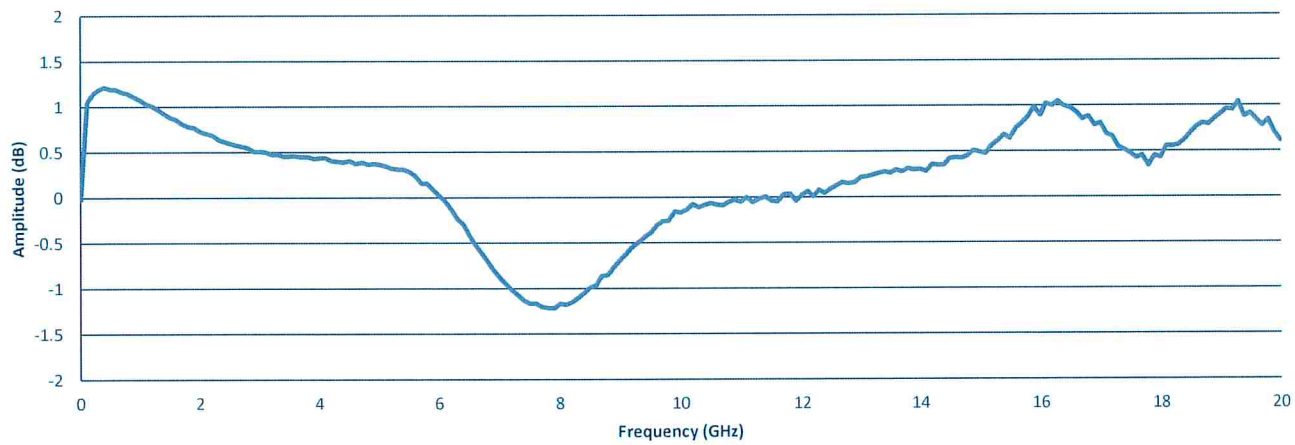
QA/QC Approval: \_\_\_\_\_

Date: 12-20-23

**Gain**



**Gain Flatness**



**Noise Figure**

