



**SUMMARY TEST DATA  
ON  
SC00066-06 REV C**

Customer: \_\_\_\_\_  
SO No: \_\_\_\_\_  
Model No: SC00066-06 REV C  
Serial No: PL21325/1728  
Part No: \_\_\_\_\_

Tested By: K. Mansfield  
Temperature: 25 Degrees C  
Date: 7/5/2020  
Drawing No: 27609928 REV: B1

| TEST.<br>ITEM NO | PARAMETERS              | SPECIFIED VALUE                                              | Test Results                                                   | QA<br>QC |
|------------------|-------------------------|--------------------------------------------------------------|----------------------------------------------------------------|----------|
| 1                | Frequency Range:        | 0.1 to 20.25 GHz                                             | 0.1 to 20.25 GHz                                               |          |
| 2                | Gain:                   | 19.5 dB Min.<br>23.5 dB Max.                                 | +20.3 dB Min.<br>+21.6 dB Max.<br>See Plot                     |          |
| 3                | Gain Flatness:          | ±0.5 dB Max.<br>(Over any 500 MHz span over<br>Full Band)    | 0.39 dB<br>See Plot                                            |          |
| 4                | Noise Figure:           | 6.0 dB Max. (0.1 to 19 GHz)<br>6.5 dB Max. (19 to 20.25 GHz) | 5.7 dB (0.1 to 19 GHz)<br>4.4 dB (19 to 20.25 GHz)<br>See Plot |          |
| 5                | Max Input Power:        | +20 dBm<br>(Without Damage)                                  | +20 dBm                                                        |          |
| 6                | VSWR:<br>(Input/Output) | Input: 2.5:1 Max.<br>Output: 2.0:1 Max.                      | Input: 2.2:1<br>Output: 1.8:1<br>See Plot                      |          |
| 7                | Output IP3:             | +24 dBm Min.                                                 | ≥24 dBm<br>See Typical Characteristics                         |          |
| 8                | OP1dB:                  | +14 dBm Min.                                                 | ≥14 dBm<br>See Typical Characteristics                         |          |
| 9                | Reverse Isolation:      | 30 dB Min.                                                   | -64 dB<br>See Plot                                             |          |
| 10               | DC Supply:              | +15 VDC ±5% @ 275 mA Max.                                    | +15 VDC @ 158 mA                                               |          |

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

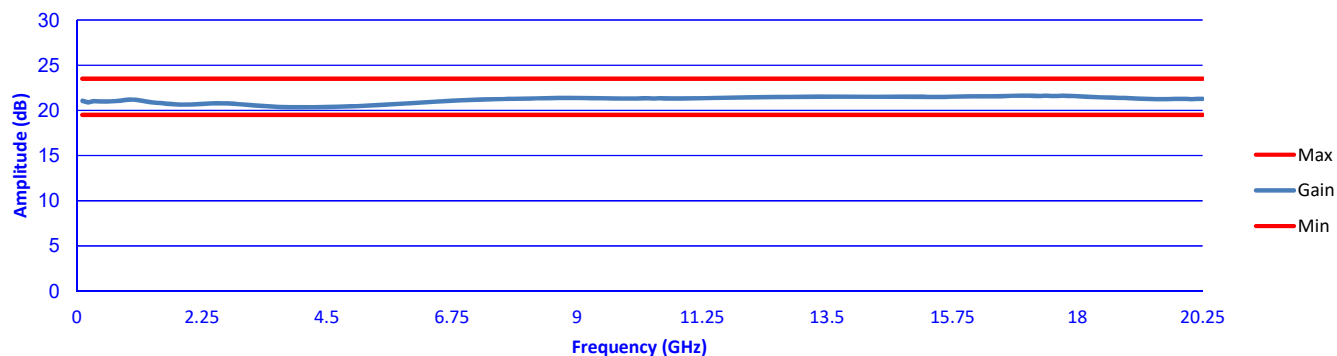
Date: \_\_\_\_\_



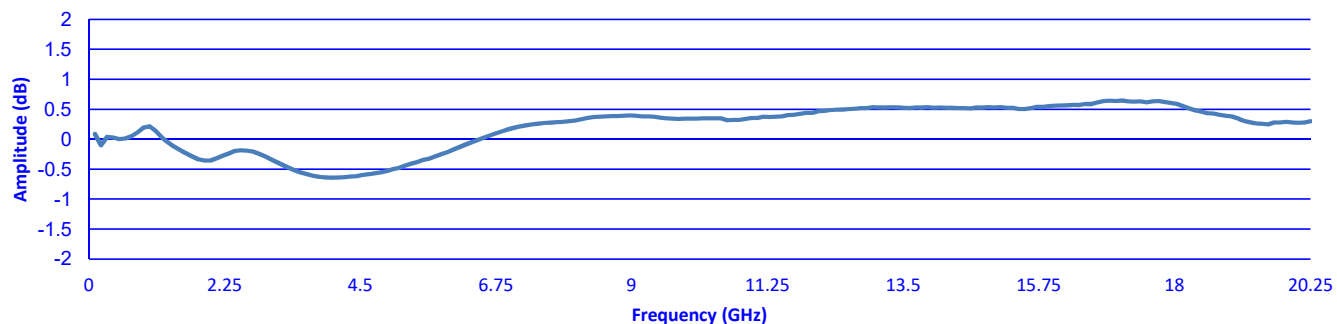
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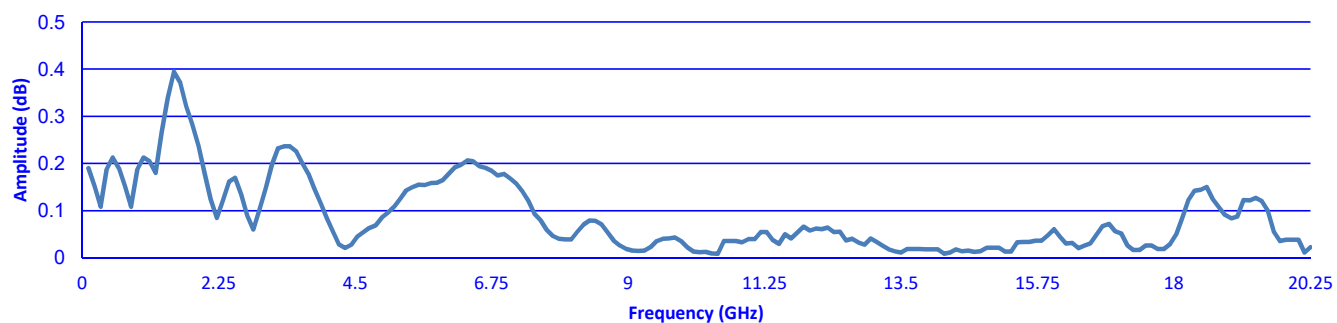
### Gain



### Gain Flatness Full Band



### Gain Flatness any 500 MHz Span

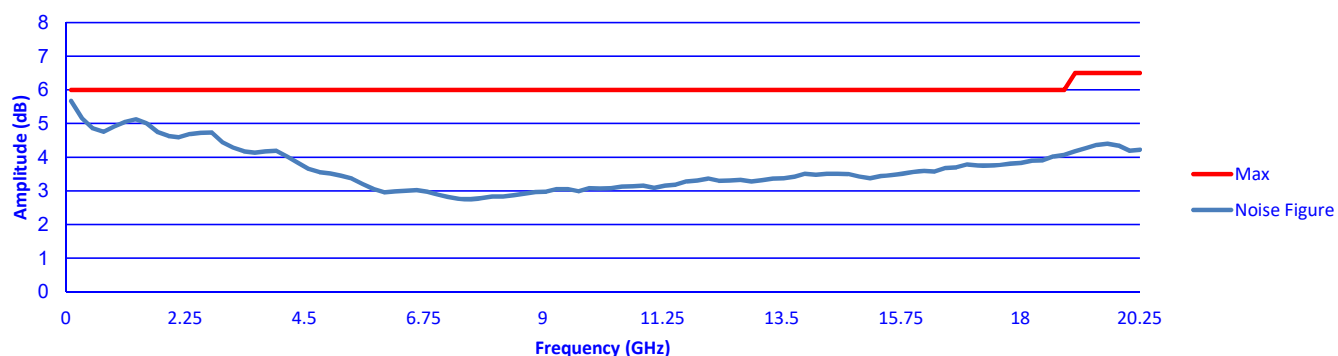




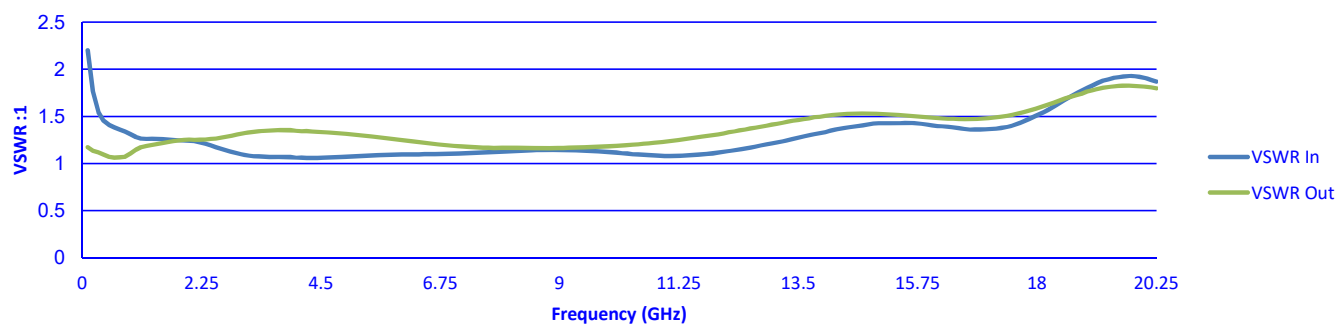
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## Noise Figure



## VSWR



## Reverse Isolation

