



100 Davids Drive  
Hauppauge, NY 11788  
Tel: (631) 436-7400

AFS2-00100200-25-23P-2

Specifications at +23 °C

**Frequency Range**

.10 to 2.0 GHz

**Gain**

22.0 dB, min

**Gain Flatness**

±1.5 dB, max

**Noise Figure**

2.5 dB, max

**VSWR IN/OUT**

2.0:1/2.0:1, MAX

**P1dB**

+23 dBm, min

**OIP3**

+33 dBm, typ

**DC Power**

+15 VDC @ 225 mA, typ

**Operating Temperature**

-54 to +85 °C

**Outline**

113384-2

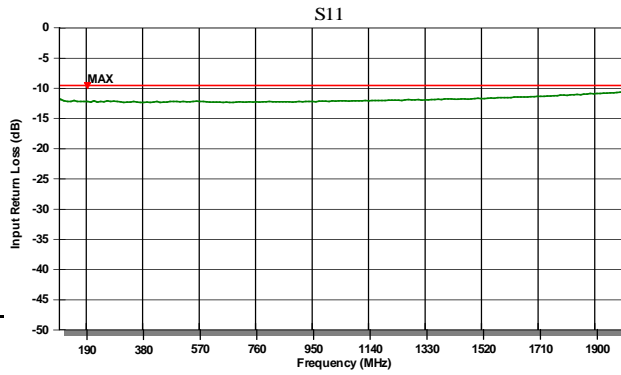
**Absolute Maximums**

RF Input: +13 dBm

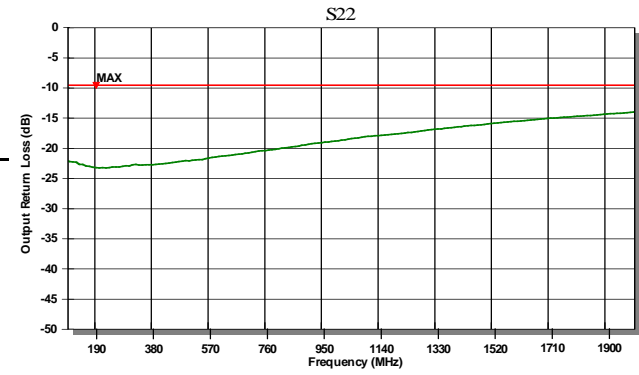
DC Input: +24 VDC

Created on:

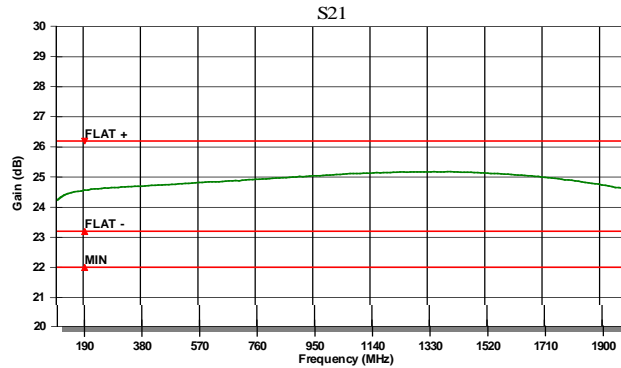
5/19/10 10:19 AM



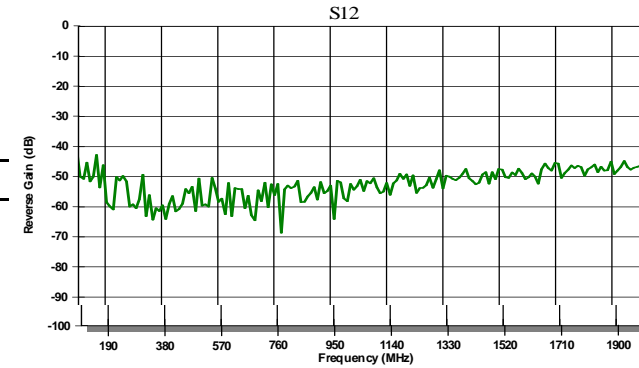
|    |        |
|----|--------|
| 0  | -11.73 |
| 0  | -12.18 |
| 0  | -12.22 |
| 00 | -11.90 |
| 00 | -11.36 |
| 00 | -10.62 |
| AX | -10.62 |
| EC | -9.54  |



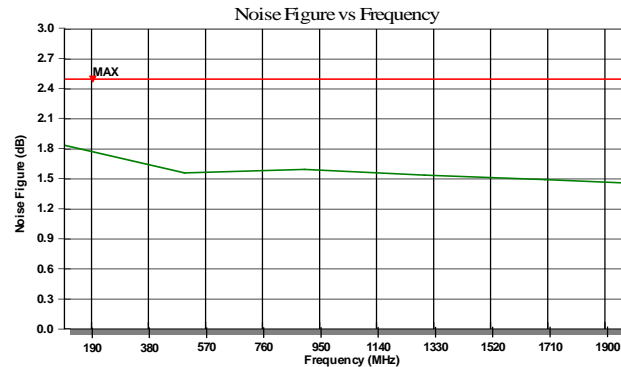
|    |        |
|----|--------|
| 0  | -22.05 |
| 0  | -22.04 |
| 0  | -19.37 |
| 00 | -16.99 |
| 00 | -15.08 |
| 00 | -13.99 |
| AX | -13.99 |
| EC | -9.54  |



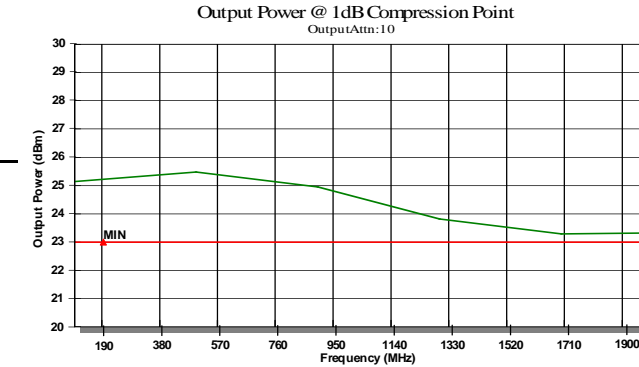
|       |       |
|-------|-------|
| 0     | 24.22 |
| 0     | 24.77 |
| 0     | 25.01 |
| 00    | 25.17 |
| 00    | 25.02 |
| 00    | 24.58 |
| 00    | 24.22 |
| EC    | 22.00 |
| AT+/- | 0.48  |
| EC+/- | 1.50  |



|    |        |
|----|--------|
| 0  | -45.67 |
| 0  | -56.52 |
| 0  | -55.15 |
| 00 | -52.69 |
| 00 | -47.15 |
| 00 | -46.91 |



|    |      |
|----|------|
| 0  | 1.84 |
| 0  | 1.56 |
| 0  | 1.60 |
| 00 | 1.54 |
| 00 | 1.50 |
| 00 | 1.46 |
| AX | 1.84 |
| EC | 2.50 |



|    |       |
|----|-------|
| 0  | 25.14 |
| 0  | 25.48 |
| 0  | 24.95 |
| 00 | 23.82 |
| 00 | 23.29 |
| 00 | 23.32 |
| AX | 23.29 |
| EC | 23.00 |