



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

**AFS1-00100300-14-8P-4**

**Specifications at +23 °C**

**Frequency Range**

.10 to 3.0 GHz

**Gain**

10 dB, min

**Gain Flatness**

±1.5 dB, max

**Noise Figure**

1.4 dB, max

**VSWR IN/OUT**

2.0:1/2.0:1, max

**P1dB**

+8 dBm, min

**OIP3**

+18 dBm, typ

**DC Power**

+15 VDC @ 75 mA, typ

**Operating Temperature**

-54 to +85 °C

**Outline**

113384-4

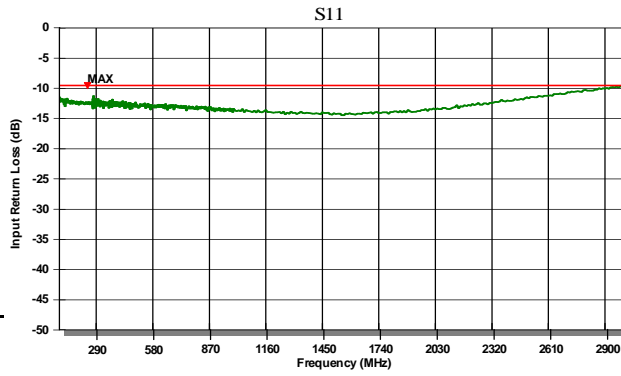
**Absolute Maximums**

RF Input: +13 dBm

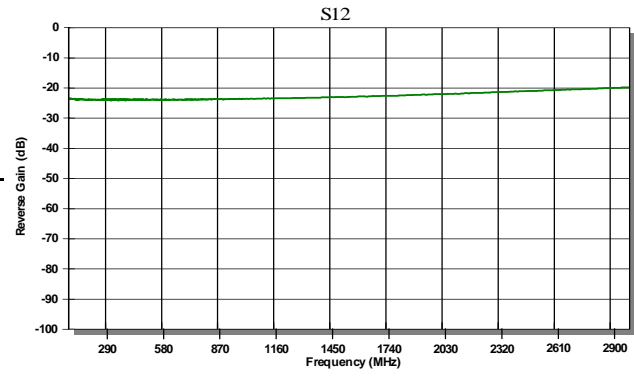
DC Input: +24 VDC

Created on:

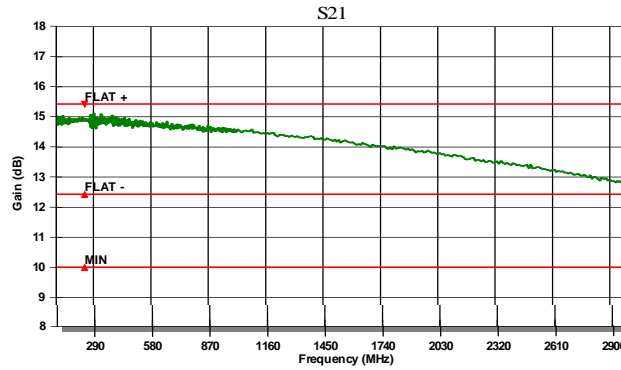
5/12/10 3:51 PM



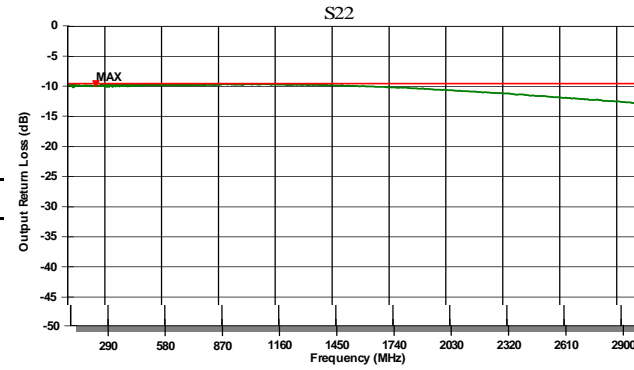
0	-11.43
0	-12.92
100	-13.72
100	-14.24
100	-13.42
100	-11.21
100	-9.56
AX	-9.56
PEC:	-9.54



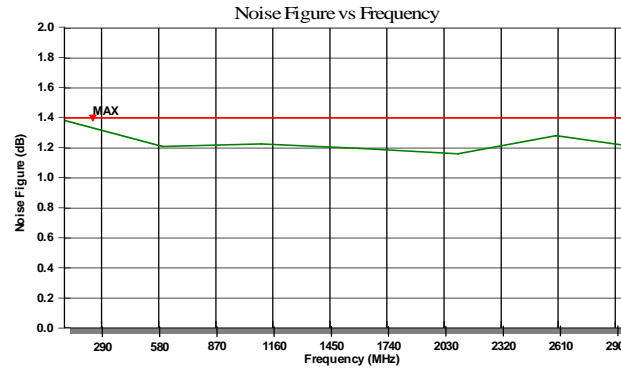
0	-23.35
0	-23.86
00	-23.51
00	-22.77
00	-21.84
00	-20.69
00	-19.74



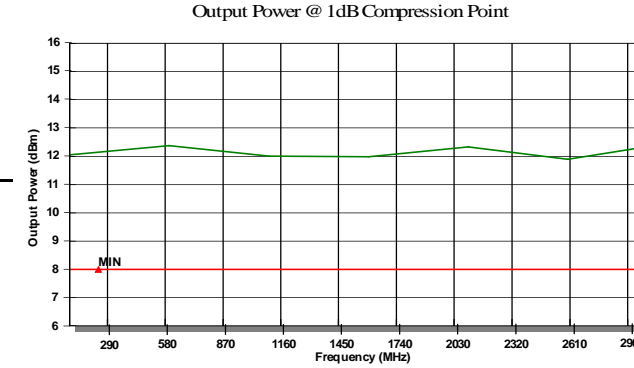
0	14.84
0	14.74
00	14.47
00	14.15
00	13.68
00	13.20
00	12.78
N	12.74
EC:	10.00
AT+/-	1.18
EC+/-	1.50



0	-9.74
0	-9.80
00	-9.65
00	-9.97
00	-10.70
00	-11.78
00	-12.78
X	-9.55
EC:	-9.54



0	1.38
0	1.21
00	1.23
00	1.20
00	1.16
00	1.28
00	1.21
AX	1.38
PEC:	1.40



0	12.06
0	12.37
00	12.01
00	11.98
00	12.33
00	11.90
00	12.34
X	11.90
EC:	8.00