



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

AFS44-00102000-30-10P-44

Specifications at +23 °C

Frequency Range

.10 to 20 GHz

Gain

36.0 dB, min

Gain Flatness

±3 dB, max

Noise Figure

3.0 dB, max

VSWR IN/OUT

2.0:1/2.0:1, max

2.0:1/2.0:1, max

P1dB

+10 dBm, min

OIP3

+20 dBm, typ

DC Power

+15 VDC @ 300 mA, typ

Operating Temperature

-54 to +85 °C

Outline

140941

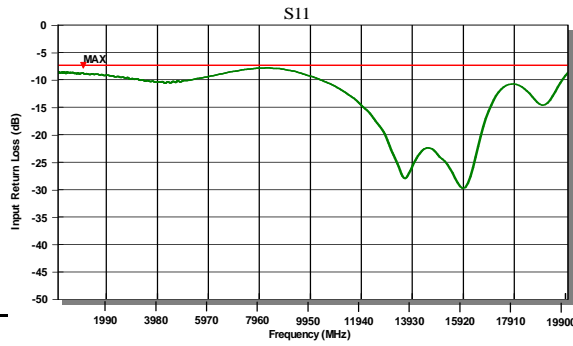
Absolute Maximums

RF Input: +13 dBm

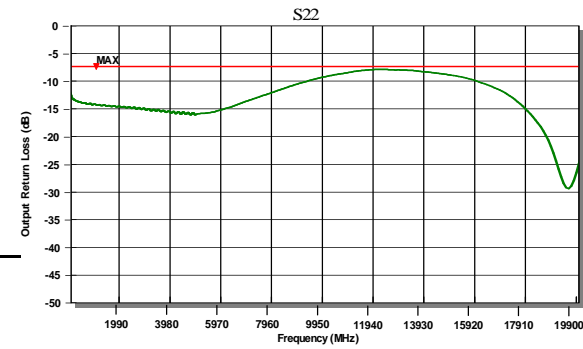
DC Input: +24 VDC

Created on:

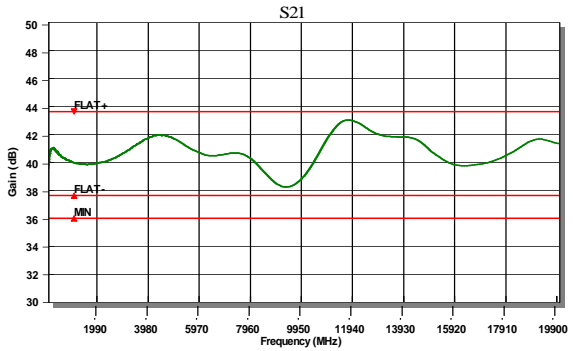
5/12/10 3:08 PM



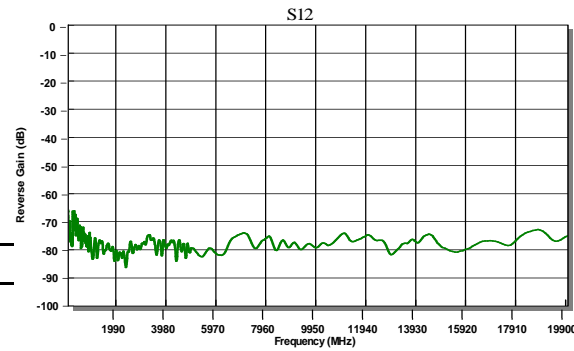
100	-8.62
2100	-9.22
4100	-10.46
6100	-9.30
8100	-7.88
10100	-9.56
12100	-15.32
14100	-24.26
16100	-28.87
18100	-11.01
20000	-8.70
MAX	-7.84
SPEC:	-7.36



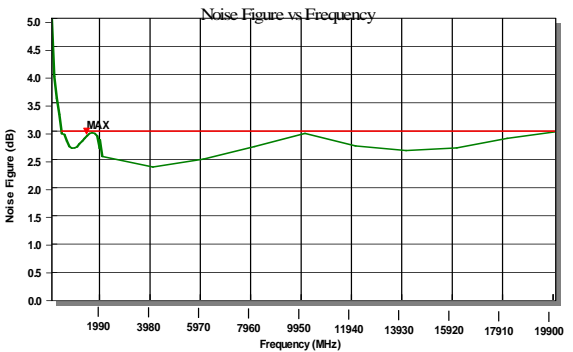
100	-12.64
2100	-14.72
4100	-15.49
6100	-15.02
8100	-11.85
10100	-9.16
12100	-7.89
14100	-8.36
16100	-10.14
18100	-15.88
20000	-24.89
MAX	-7.87
SPEC:	-7.36



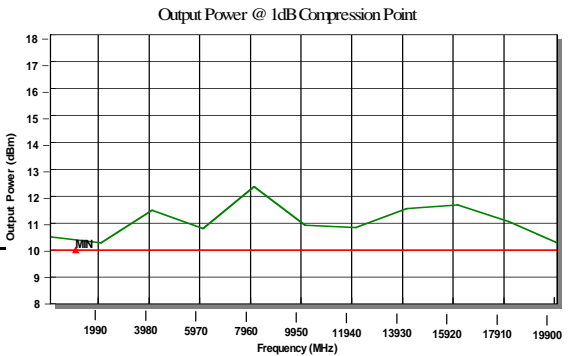
100	40.08
2100	40.00
4100	41.83
6100	40.61
8100	40.08
10100	39.14
12100	42.88
14100	41.80
16100	39.78
18100	40.66
20000	41.35
MIN	38.24
SPEC:	36.00
FLAT+/-	2.40
SPEC+/-	3.00



100	-71.77
2100	-83.00
4100	-78.46
6100	-81.86
8100	-75.10
10100	-78.44
12100	-74.82
14100	-76.89
16100	-79.28
18100	-75.12
20000	-74.94



100	5.02
2100	2.55
4100	2.36
6100	2.50
8100	2.73
10100	2.96
12100	2.74
14100	2.65
16100	2.70
18100	2.88
20000	2.99
MAX	2.99
SPEC:	3.00



100	10.49
2100	10.27
4100	11.48
6100	10.81
8100	12.36
10100	10.93
12100	10.84
14100	11.55
16100	11.68
18100	11.06
20000	10.28
MIN	10.27
SPEC:	10.00