



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

AFSM1-00050200-16-20P-HI

Specifications at +23 °C

Frequency Range

0.05 to 2.0 GHz

Gain

16 dB, min

Gain Flatness

±0.5 dB, max

Noise Figure

1.6 dB, max (Freq. ≥ 100 MHz)

VSWR IN/OUT

2.0:1/2.0:1, max

P1dB

+20 dBm, min

OIP3

+34 dBm, min

DC Power

+5 VDC @ 100 mA, typ

Operating Temperature

-54 to +85 °C

Outline

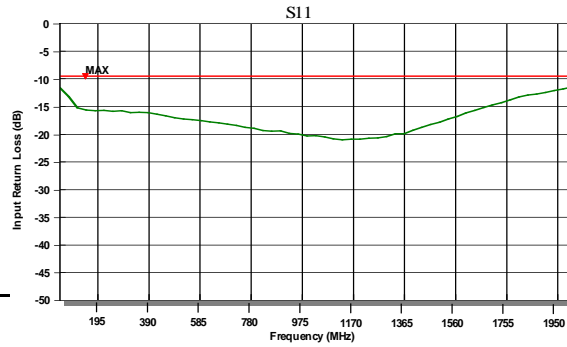
133720

Absolute Maximums

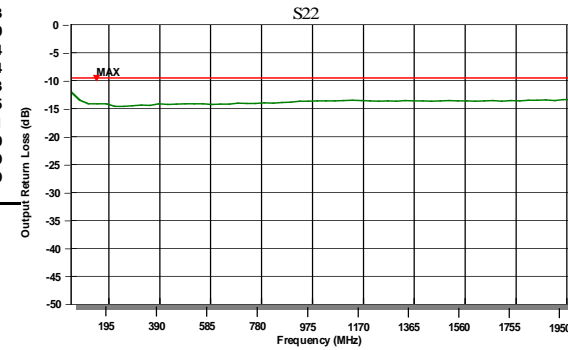
RF Input: +20 dBm

DC Input: +9 VDC

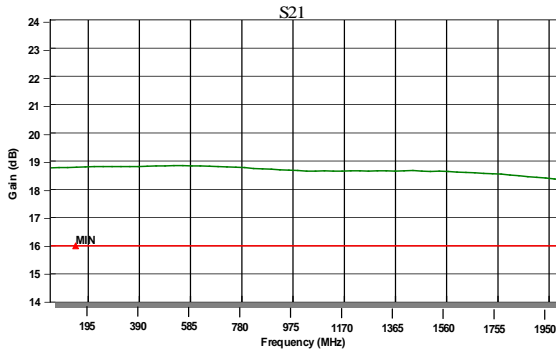
Created on:
3/17/10 1:26 PM



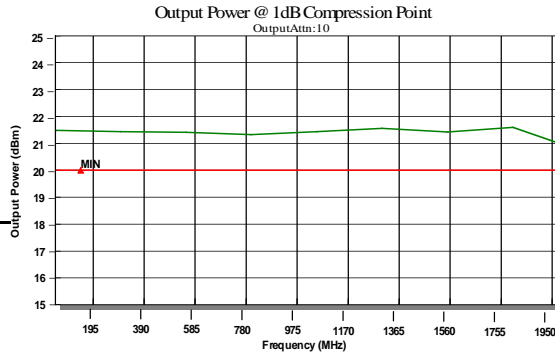
50	-11.63
300	-15.90
550	-17.34
800	-19.04
1050	-20.43
1300	-20.35
1550	-17.01
1800	-13.30
2000	-11.49
MAX	-11.49
SPEC	-9.54



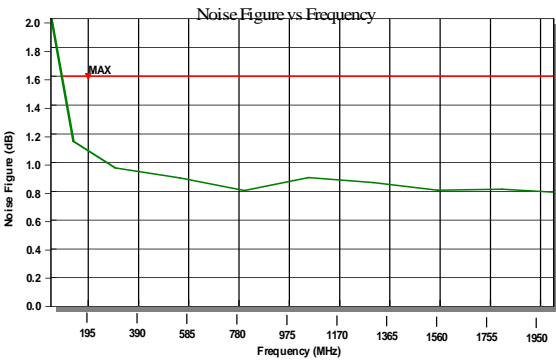
50	-12.02
300	-14.44
550	-14.13
800	-13.98
1050	-13.63
1300	-13.68
1550	-13.63
1800	-13.51
2000	-13.37
MAX	-12.02
SPEC	-9.54



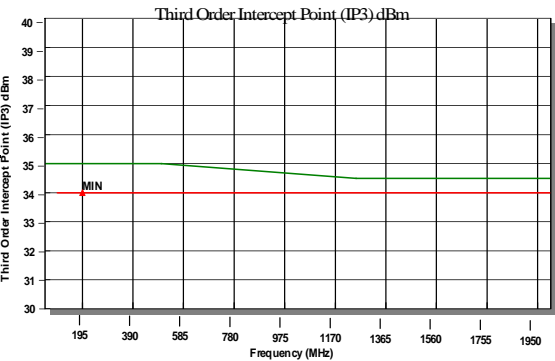
50	18.75
300	18.81
550	18.84
800	18.76
1050	18.65
1300	18.66
1550	18.63
1800	18.50
2000	18.32
MIN	18.32
FLAT+/-	0.26
MIN	18.32
SPEC	16.00



50	21.49
300	21.44
550	21.41
800	21.33
1050	21.43
1300	21.56
1550	21.43
1800	21.59
2000	20.93
MIN	20.93
SPEC	20.00



50	2.03
300	0.96
550	0.90
800	0.81
1050	0.90
1300	0.86
1550	0.81
1800	0.82
2000	0.80
MAX	1.52
SPEC	1.60



50	35.00
300	35.00
550	34.97
800	34.80
1050	34.63
1300	34.50
1550	34.50
1800	34.50
2000	34.50
MIN	34.50
SPEC	34.00