

FEATURES

- Wide Bandwidth
- Low Power Consumption
- Low Noise Figure
- Flat Gain Response
- Miniature Sizes for Drop-In Assembly
- Hermetically Sealed Package for Military Application



APPLICATIONS

- Microwave Radio & VSAT
- Military & Space
- Test Instrumentation
- Fiber Optics
- Telecom Infrastructure

ENVIRONMENTAL RATINGS

Max Input Power.....100mW
 Operating Temperature Range.....-55°C to +85°C
 Storage Temperature Range.....-65°C to +125°C
 Shock..... 50G, 11 msec
 Vibration..... 20G, 100 to 2000 Hz

Specifications: (@ +25°C)

MODEL	FREQ. RANGE (GHz)	MIN GAIN (dB)	MAX GAIN VARIATION (+/- dB)	MAX N. F. (dB)	MAX VSWR	P OUT @ 1 dB COMP (dBm)	NOM DC ¹ CURRENT @ +12V (mA)	OUTLINE
AF01-4151510B	0.1 – 4.0	15	0.5	1.5	2:1	+10	60	0A
AF01-4281512B		28	0.6			+12	90	1D
AF01-4401512B		40	0.75			+12	120	0A
AF01-4142013B	0.1 – 4.0	14	0.5	2.0	2:1	+13	60	0A
AF01-4272013B		27	0.6			+13	90	1D
AF01-4402013B		40	0.75			+13	120	1D
AF01-4142016B	0.1 – 4.0	14	0.5	2.0	2:1	+16	60	0A
AF01-4272016B		27	0.6			+16	90	1D
AF01-4402016B		40	0.75			+16	120	1D
A01-4132515B	0.1 – 4.0	13	0.5	2.5	2:1	+15	40	0A
A01-4262515B		26	0.6			+15	80	1D
A01-4392515B		39	0.75			+15	120	1D
A01-4142518B	0.1 – 4.0	14	0.5	2.5	2:1	+18	80	0A
A01-4262518B		26	0.6			+18	120	1D
A01-4382518B		38	0.75			+18	160	1D
AF01-6141810B	0.1 – 6.0	14	0.5	1.8	2:1	+10	60	0A
AF01-6261810B		26	0.6			+10	90	1D
AF01-6371810B		37	0.8			+10	120	1D
AF01-6132513B	0.1 – 6.0	13	0.5	2.5	2:1	+13	60	0A
AF01-6252513B		25	0.6			+13	90	1D
AF01-6362513B		36	0.8			+13	120	1D
A01-6113012B	0.1 – 6.0	11	0.5	3.0	2:1	+12	40	0A
A01-6223013B		22	0.6			+13	70	1D
A01-6333013B		33	0.8			+13	100	1D
AF01-6132516B	0.1 – 6.0	13	0.5	2.5	2:1	+16	80	0A
AF01-6262516B		26	0.6			+16	110	1D
AF01-6372516B		37	0.8			+16	140	1D
AF01-6132518B	0.1 – 6.0	13	0.5	2.5	2:1	+18	90	0A
AF01-6252518B		25	0.6			+18	120	1D
AF01-6372518B		37	0.8			+18	150	1D

Note 1: Noise figure higher @ frequencies below 500 MHz

Note 2: Options for other bias voltages +15, +8, or +5V available for total power consumption budget

For Package Outlines see Outline Drawings Page