

LOW CURRENT CONSUMPTION AMPLIFIERS

AFS SERIES

FEATURES

- Low voltage operation at 6 V for battery-driven applications
- Small size for tight packaging requirements
- AFS noise figure performance

OPTIONS

- Operation to 4 V is available
- Customized gain, noise figure, etc.
- Temperature compensated designs
- Alternative packages and military screening



MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN (dB, Min.)	GAIN FLATNESS (±dB, Max.)	NOISE FIGURE (dB, Max.)	VSWR IN/OUT (Max.)	OUTPUT POWER @ 1 dB COMP. (dBm, Min.)	NOM. DC POWER (6 V, mA)	OUTLINE DRAWING
AFS2-01000200-07-HE-6	1–2	27	1	0.7	2:1	0	25	6
AFS3-01000200-07-HE-6	1–2	38	1	0.7	2:1	0	40	6
AFS2-02000400-08-HE-4	2–4	22	1	0.8	2:1	0	25	4
AFS3-02000400-08-HE-4	2–4	34	1	0.8	2:1	0	40	4
AFS2-04000800-11-HE-2	4–8	20	1	1.1	2:1	0	30	2
AFS3-04000800-10-HE-4	4–8	30	1	1	2:1	0	50	4
AFS3-08001200-14-HE-4	8–12	20	1	1.4	2:1	0	30	4
AFS4-08001200-12-HE-4	8–12	30	1	1.2	2:1	0	50	4
AFS3-12001800-20-HE-4	12–18	15	1.5	2	2:1	0	25	4
AFS4-12001800-20-HE-4	12–18	28	1.5	2	2:1	0	40	4
AFS3-06001800-25-HE-4	6–18	14	2	2.5	2:1	0	25	4
AFS4-06001800-25-HE-4	6–18	26	2	2.5	2:1	0	40	4

NOTES: These units are unregulated and operate off a 6 V supply.
Optimized frequency ranges, gains, and supply voltages are available.
See page 59 for outline.