

LOW, ULTRA-LOW NOISE AND MEDIUM POWER AFS AMPLIFIERS

MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN (dB, Min.)	GAIN VARIATION (±dB, Max.)	NOISE FIGURE (dB, Max.)	VSWR IN/OUT (Max.)	OUTPUT POWER @ 1 dB COMP. (dBm, Min.)	OUTLINE DRAWING
AFS2-00500100-10-ULN	0.5-1	23	1	1	2:1	10	2
AFS3-01000200-10-ULN	1-2	34	1	1	2:1	10	4
AFS3-02000400-10-ULN	2-4	28	1	1	2:1	10	4
AFS3-02000600-12-ULN	2-6	24	1	1.2	2:1	10	4
AFS3-04000800-10-ULN	4-8	28	1	1	2:1	10	4
AFS3-08001200-14-ULN	8-12	25	1	1.4	2:1	10	4
AFS3-02000800-18-ULN	2-8	24	1.5	1.8	2:1	10	4
AFS4-12001800-28-ULN	12-18	20	1.5	2.8	2:1	10	4
AFS4-08001800-30-ULN	8-18	20	1.75	3	2:1	10	4
AFS4-06001800-35-ULN	6-18	18	2	3.5	2:1	10	4
AFS4-02001800-35-ULN	2-18	22	2.5	3.5	2:1	10	4
AFS3-00100200-15-ULN	0.1-2	36	1	1.5	2:1	10	4
AFS3-00100400-18-ULN	0.1-4	24	1.3	1.8	2:1	10	4
AFS3-00100600-20-ULN	0.1-6	24	1.5	2	2:1	10	4
AFS3-00100800-25-ULN	0.1-8	24	1.5	2.5	2:1	10	4
AFS3-00101000-32-ULN	0.1-10	20	1.5	3.2	2:1	10	4
AFS3-00101200-35-ULN	0.1-12	20	1.75	3.5*	2:1	10	4
AFS4-00101800-40-ULN	0.1-18	22	2.5	4*	2.5:1	10	4
AFS4-00102000-50-ULN	0.1-20	16	2.8	5*	2.5:1	10	4
OCTAVE AND MULTIOCTAVE							
AFS2-00100050-13-LN	0.1-0.5	25	1	1.3	2:1	10	2
AFS2-00500100-12-LN	0.5-0.1	23	1	1.2	2:1	10	2
AFS3-01000200-15-LN	1-2	34	1	1.5	2:1	10	4
AFS3-02000400-13-LN	2-4	28	1	1.3	2:1	10	4
AFS3-02000600-15-LN	2-6	24	1	1.5	2:1	10	4
AFS3-04000800-16-LN	4-8	24	1	1.6	2:1	10	4
AFS3-08001200-22-LN	8-12	22	1	2.2	2:1	10	4
AFS3-02000800-24-LN	2-8	24	1.5	2.4	2:1	10	4
AFS4-12001800-32-LN	12-18	20	1.5	3.2	2:1	10	4
AFS4-08001800-35-LN	8-18	20	1.75	3.5	2:1	10	4
AFS4-06001800-40-LN	6-18	18	2	4	2:1	10	4
AFS3-02001800-50-LN	2-18	20	2.5	5	2:1	10	4
ULTRA-WIDEBAND							
AFS3-00100200-18-LN	0.1-2	36	1	1.8	2:1	10	4
AFS3-00100400-22-LN	0.1-4	24	1.25	2.2	2:1	10	4
AFS3-00100600-25-LN	0.1-6	24	1.5	2.5	2:1	10	4
AFS3-00100800-32-LN	0.1-8	24	1.5	3.2	2:1	10	4
AFS3-00101000-38-LN	0.1-10	22	1.5	3.8	2:1	10	4
AFS3-00101200-42-LN	0.1-12	22	1.75	4.2*	2:1	10	4
AFS4-00101800-55-LN	0.1-18	20	2.5	5.5*	2.5:1	10	4
AFS4-00102000-60-LN	0.1-20	16	2.75	6*	2.5:1	10	4
MEDIUM POWER							
AFS2-00500400-20P-MP	0.5-4	24	1.5	4	2:1/2.5:1	20	4
AFS3-00100600-20P-MP	0.1-6	24	1.5	4.6	2:1	20 [†]	4
AFS4-00100800-20P-MP	0.1-8	24	2	4.8	2:1	20 [†]	4
AFS4-00101200-20P-MP	0.1-12	26	2	5.3*	2:1	20 [†]	4
AFS3-04000800-20P-MP	4-8	25	1.25	3.8	2:1	20	4
AFS4-08001200-20P-MP	8-12	20	1	4.8	2:1	20	4
AFS4-02000800-20P-MP	2-8	24	1.5	5.8	2:1	20	4

* Noise figure increases below 500 MHz.
[†] Above 500 MHz.

LOW NOISE AND MEDIUM POWER AFD AMPLIFIERS

MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN (dB, Min.)	GAIN VARIATION (\pm dB, Max.)	NOISE FIGURE (dB, Max.)	VSWR IN/OUT (Max.)	OUTPUT POWER @ 1 dB COMP. (dBm, Min.)
MODERATE BAND						
AFD3-012014-09-LN	1.2–1.4	34	0.25	0.9	1.5:1	15
AFD3-022023-10-LN	2.2–2.3	30	0.5	1	1.5:1	10
AFD3-023027-10-LN	2.3–2.7	30	0.5	1	1.5:1	10
AFD3-027031-10-LN	2.7–3.1	30	0.5	1	1.5:1	10
AFD3-031035-10-LN	3.1–3.5	30	0.5	1	1.5:1	10
AFD3-037042-10-LN	3.7–4.2	30	0.5	1	1.5:1	10
OCTAVE AND MULTIOCTAVE						
AFD2-005010-12-LN	0.5–1	20	1	1.2	2:1	10
AFD3-005010-12-LN	0.5–1	32	1	1.2	2:1	10
AFD2-010020-12-LN	1–2	22	1	1.2	2:1	10
AFD3-010020-12-LN	1–2	32	1	1.2	2:1	10
AFD3-010020-10-LN	1–2	32	1	1	2:1	10
AFD3-020040-13-LN	2–4	30	1	1.3	2:1	10
AFD3-040080-28-LN	4–8	25	1	2.8	2:1	10
AFD3-080120-42-LN	8–12	20	1	4.2	2:1	10
AFD2-004014-12-LN	0.4–1.4	25	1	1.2	2:1	10
AFD3-005020-14-LN	0.5–2	34	1	1.4	2:1	10
AFD3-020080-33-LN	2–8	24	1.5	3.3	2:1	10
AFD3-040120-47-LN	4–12	19	1.5	4.7	2:1	10
MEDIUM POWER						
AFD3-027031-25P-MP	2.7–3.1	22	1	4.5	2:1	25
AFD3-031042-25P-MP	3.1–4.2	22	1	4.5	2:1	25
AFD3-040080-25P-MP	4–8	20	1	5	2:1	25
AFD3-080120-23P-MP	8–12	16	1.25	6	2:1	23
AFD3-010040-23P-MP	1–4	22	1.5	5.5	2:1	23
AFD3-020080-23P-MP	2–8	19	1.5	5.5	2:1	23
AFD3-040120-20P-MP	4–12	15	1.5	6	2:1	20

NOTE: Please contact factory for exact outline dimensions.