

## LOW-NOISE AFD AMPLIFIERS

MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN (dB Min)	GAIN FLATNESS (dB Max)	NOISE FIGURE (dB Max)	VSWR INPUT (Max)	VSWR OUTPUT (Max)	OUTPUT POWER (dBm Min)	NOM. DC POWER (+15 V, mA)
AFD1-020045-20	2-4.5	10	± 0.70	2.0	2.0:1	2.0:1	5	50
AFD2-020045-15	2-4.5	20	± 1.00	1.5	2.0:1	2.0:1	5	100
AFD3-020045-15	2-4.5	50	± 1.50	1.5	2.0:1	2.0:1	10	160
AFD4-020045-15	2-4.5	40	± 1.50	1.5	2.0:1	2.0:1	10	260
AFD5-020045-15	2-4.5	50	± 2.00	1.5	2.0:1	2.0:1	10	280
AFD1-020060-30	2-6	8	± 0.75	3.0	2.0:1	2.0:1	8	50
AFD2-020060-25	2-6	17	± 1.00	2.5	2.0:1	2.0:1	8	100
AFD3-020060-25	2-6	26	± 1.25	2.5	2.0:1	2.0:1	10	160
AFD4-020060-25	2-6	35	± 1.50	2.5	2.0:1	2.0:1	10	220
AFD5-020060-25	2-6	44	± 1.75	2.5	2.0:1	2.0:1	10	280
AFD1-020080-30	2-8	8	± 0.75	3.0	2.0:1	2.0:1	8	50
AFD2-020080-25	2-8	16	± 1.00	2.5	2.0:1	2.0:1	8	100
AFD3-020080-25	2-8	24	± 1.50	2.5	2.0:1	2.0:1	10	160
AFD4-020080-25	2-8	33	± 1.50	2.5	2.0:1	2.0:1	10	220
AFD5-020080-25	2-8	41	± 1.75	2.5	2.0:1	2.0:1	10	280
AFD1-040080-25	4-8	8	± 0.50	2.5	2.0:1	2.0:1	5	40
AFD2-040080-23	4-8	17	± 0.75	2.3	2.0:1	2.0:1	8	80
AFD3-040080-23	4-8	27	± 1.00	2.3	2.0:1	2.0:1	12	150
AFD4-040080-23	4-8	34	± 1.50	2.3	2.0:1	2.0:1	12	220
AFD5-040080-23	4-8	42	± 1.75	2.3	2.0:1	2.0:1	12	290
AFD1-040120-45	4-12	6	± 1.00	4.5	2.0:1	2.0:1	5	100
AFD2-040120-30	4-12	13	± 1.00	3.0	2.0:1	2.0:1	10	120
AFD3-040120-30	4-12	19	± 1.25	3.0	2.0:1	2.0:1	10	180
AFD4-040120-30	4-12	25	± 1.50	3.0	2.0:1	2.0:1	10	260
AFD5-040120-30	4-12	31	± 1.75	3.0	2.0:1	2.0:1	10	300
AFD6-040120-30	4-12	37	± 2.00	3.0	2.0:1	2.0:1	10	360
AFD2-060180-60	6-18	9	± 1.25	6.0	2.0:1	2.0:1	10	60
AFD3-060180-50	6-18	14	± 1.50	5.0	2.0:1	2.0:1	10	120
AFD4-060180-50	6-18	18	± 1.75	5.0	2.0:1	2.0:1	10	180
AFD5-060180-50	6-18	24	± 2.00	5.0	2.0:1	2.0:1	10	240
AFD6-060180-50	6-18	28	± 2.00	5.0	2.0:1	2.0:1	10	300
AFD7-060180-50	6-18	32	± 2.00	5.0	2.0:1	2.0:1	10	360
AFD8-060180-50	6-18	38	± 2.00	5.0	2.0:1	2.0:1	10	420
AFD9-060180-50	6-18	45	± 2.50	5.0	2.0:1	2.0:1	10	480
AFD10-060180-50	6-18	50	± 2.70	5.0	2.0:1	2.0:1	10	540
AFD1-080120-35	8-12	6	± 1.00	3.5	2.0:1	2.0:1	5	50
AFD2-080120-30	8-12	13	± 1.00	3.0	2.0:1	2.0:1	10	120
AFD3-080120-25	8-12	19	± 1.00	2.5	2.0:1	2.0:1	12	180
AFD4-080120-25	8-12	25	± 1.00	2.5	2.0:1	2.0:1	12	240
AFD5-080120-25	8-12	31	± 1.25	2.5	2.0:1	2.0:1	12	300
AFD6-080120-25	8-12	37	± 1.50	2.5	2.0:1	2.0:1	12	360
AFD2-080180-55	8-18	10	± 1.25	5.5	2.0:1	2.0:1	10	60
AFD3-080180-48	8-18	14	± 1.50	4.8	2.0:1	2.0:1	13	120
AFD4-080180-48	8-18	18	± 1.75	4.8	2.0:1	2.0:1	13	180
AFD5-080180-48	8-18	24	± 2.00	4.8	2.0:1	2.0:1	13	240
AFD6-080180-48	8-18	28	± 2.00	4.8	2.0:1	2.0:1	13	300
AFD7-080180-48	8-18	33	± 2.00	4.8	2.0:1	2.0:1	13	360
AFD8-080180-48	8-18	38	± 2.00	4.8	2.0:1	2.0:1	13	420
AFD9-080180-48	8-18	45	± 2.50	4.8	2.0:1	2.0:1	13	480
AFD10-080180-48	8-18	50	± 2.75	4.8	2.0:1	2.0:1	13	540
AFD2-120180-50	12-18	8	± 1.25	5.0	2.0:1	2.0:1	10	60
AFD3-120180-45	12-18	16	± 1.50	4.5	2.0:1	2.0:1	10	120
AFD4-120180-45	12-18	20	± 1.70	4.5	2.0:1	2.0:1	13	180
AFD5-120180-45	12-18	25	± 1.80	4.5	2.0:1	2.0:1	13	240
AFD6-120180-45	12-18	30	± 1.90	4.5	2.0:1	2.0:1	13	300
AFD7-120180-45	12-18	35	± 2.00	4.5	2.0:1	2.0:1	13	360
AFD8-120180-45	12-18	40	± 2.50	4.5	2.0:1	2.0:1	13	420
AFD9-120180-45	12-18	46	± 2.50	4.5	2.0:1	2.0:1	13	480
AFD10-120180-45	12-18	52	± 2.50	4.5	2.0:1	2.0:1	13	540