

18-60 GHz Power Amplifiers

Guaranteed @ +25 C	DBS Standard 18-60 GHz Power Amplifiers									
Guaranteed @ +25C	Frequency Response (GHz) Min.	Gain (dB) Min.	Gain (dB) Max.	Noise Figure (dB) Typ./Max	Psat (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case *
DBS-1826N523	18-26.5	28	35	4.0/5.0	23	1.75	N/A	2.2/2.2	675	DBK-6
DBS-1826N823	18-26.5	27	35	5.0/6.0	23 P1dB	1.75	33	2.2/2.2	825	DBK-6
DBP-1826N725	18-26.5	27	35	4.0/5.0	25	1.75	N/A	2.2/2.2	900	DBK-6
DBP-1826N825	18-26.5	27	35	6.0/7.0	25 P1dB	1.75	35	2.2/2.2	1450	DBK-6
DBP-1826N827	18-26.5	27	35	6.0/7.0	27 P1dB	1.75	37	2.2/2.2	2200	DBK-6P
DBS-2640N420	26.5-40	20	28	5.0/6.0	20	2.5	N/A	2.5/2.5	550	DBK-4
DBP-2640N520	26.5-40	20	28	8.0/9.0	20 P1dB	2.0	30	2.5/2.5	2200	DBK-6P
DBP-2640N620	26.5-40	26	35	8.0/9.0	20 P1dB	2.5	30	2.5/2.5	2200	DBK-6P
DBP-2640N823	26.5-40	26	35	6.0/7.0	23	2.5	N/A	2.5/2.5	1100	DBK-6P
DBP-2640N526	26.5-40	20	28	8.0/9.0	26	2.0	N/A	2.5/2.5	2200	DBK-6P
DBP-2640N626	26.5-40	26	35	8.0/9.0	26	2.5	N/A	2.5/2.5	2200	DBK-6P
DBP-1840N518	18-40	18	26	8.0/9.0	18 P1dB	2.5	28	3.0/3.0	2200	DBK-4P
DBP-1840N618	18-40	25	33	8.0/9.0	18 P1dB	2.5	28	3.0/3.0	2200	DBK-6P
DBS-1840N420	18-40	18	26	8.0/9.0	20	3.5	N/A	2.5/2.5	550	DBK-4
DBS-1840N620	18-40	25	35	8.0/9.0	20	3.5	N/A	2.5/2.5	700	DBK-6
DBP-1840N622	18-40	20	28	8.0/9.0	22	3.5	N/A	2.5/2.5	1100	DBK-4P
DBP-1840N822	18-40	25	35	8.0/9.0	22	3.5	N/A	2.5/2.5	1400	DBK-6P
DBP-1840N624	18-40	18	26	8.0/9.0	24	2.5	N/A	3.0/3.0	2200	DBK-4P
DBP-1840N824	18-40	25	33	8.0/9.0	24	2.5	N/A	3.0/3.0	2200	DBK-6P
DBS-3238N520	32-38**	23	30	6.5/7.0	20	1.5	N/A	2.2/2.2	500	DBK-6
DBP-3238N820	32-38**	20	28	6.5/7.0	20 P1dB	1.5	30	2.2/2.2	2200	DBK-4P
DBP-3238N920	32-38**	28	35	6.5/7.0	20 P1dB	1.5	30	2.2/2.2	2200	DBK-6P
DBS-3238N723	32-38**	20	27	7.5/8.5	23	1.5	N/A	2.2/2.2	900	DBK-6
DBS-3238N823	32-38**	26	33	7.5/8.5	23	1.5	N/A	2.2/2.2	1000	DBK-6
DBP-3238N725	32-38**	28	35	6.5/7.0	25	1.5	N/A	2.2/2.2	1500	DBK-6P
DBP-3238N727	32-38**	28	35	6.5/7.0	27	1.5	N/A	2.2/2.2	2200	DBK-6P
DBS-2631N622	26-31.5**	20	25	6.0/6.5	22 P1dB	1.5	32	2.2/2.2	750	DBK-4
DBS-2631N722	26-31.5**	27	32	6.0/6.5	22 P1dB	1.5	32	2.2/2.2	850	DBK-6
DBP-2631N624	26-31.5**	20	25	6.0/6.5	24 P1dB	1.5	34	2.2/2.2	1400	DBK-4
DBP-2631N724	26-31.5**	27	32	6.0/6.5	24 P1dB	1.5	34	2.2/2.2	1500	DBK-6
DBS-2631N425	26-31.5**	20	25	7.5/8.5	25 P1dB	1.5	35	2.2/2.2	1700	DBK-4
DBP-2631N627	26-31.5**	20	25	7.5/8.5	27 P1dB	1.5	37	2.2/2.2	2100	DBK-4P
DBP-2631N827	26-31.5**	30	35	7.0/8.0	27 P1dB	1.5	37	2.2/2.2	2200	DBK-6P
DBP-2631N730	26-31.5**	30	35	6.0/6.5	30 P1dB	1.5	40	2.2/2.2	2500	DBK-6P

Notes:

1. All above-mentioned amplifiers include internal voltage regulator with input voltage of +11.5Vdc to +15.5 Vdc.
2. Maximum RF input power is 20dBm (CW) or 30dBm pulse, 1micro second and 1-% duty cycle.

* Case drawings for various case options are contained in this catalog.

** Over any 500 MHz bandwidth.

Guaranteed @ +25 C	DBS Standard 18-60 GHz Power Amplifiers (continued)									
Guaranteed @ +25C	Frequency Response (GHz) Min.	Gain (dB) Min.	Gain (dB) Max.	Noise Figure (dB) Typ./Max	Psat (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case *
DBP-3135N425	31-35**	20	28	7.5/8.5	25	1.5	N/A	2.2/2.2	1200	DBK-4P
DBP-3135N627	31-35**	20	28	7.5/8.5	27	1.5	N/A	2.2/2.2	2000	DBK-4P
DBP-3135N827	31-35**	28	36	7.0/8.0	27	1.5	N/A	2.2/2.2	2200	DBK-6P
DBP-3540N623	35.5-40.5**	20	28	8.0/9.0	23	1.5	N/A	2.2/2.2	1100	DBK-4P
DBP-3540N625	35.5-40.5**	20	28	8.0/9.0	25	1.5	N/A	2.2/2.2	2000	DBK-6P
DBP-3540N627	35.5-40.5**	20	28	8.0/9.0	27	1.5	N/A	2.2/2.2	2100	DBK-4P
DBP-3540N727	35.5-40.5**	26	34	8.0/9.0	27	1.5	N/A	2.2/2.2	2200	DBK-6P
DBS-4042N616	40.5-42.5**	20	26	7.5/8.5	16	1.5	N/A	2.5/2.5	750	DBK-6
DBP-4042N821	40.5-42.5**	20	26	7.5/8.5	21	1.5	N/A	2.5/2.5	1500	DBK-6P
DBP-4042N823	40.5-42.5**	20	26	7.5/8.5	23	1.5	N/A	2.5/2.5	2000	DBK-6P
DBP-4042N825	40.5-42.5**	20	26	8.0/9.0	25	1.5	N/A	2.5/2.5	2200	DBK-6P
DBS-4345N821	43.5-45.5**	20	26	7.5/8.5	21	1.5	N/A	2.5/2.5	1000	DBK-4
DBP-4345N823	43.5-45.5**	20	28	7.5/8.5	23	1.5	N/A	2.5/2.5	2000	DBK-6P
DBS-3350N616	33-50	20	28	8.0/9.0	16	2.5	N/A	2.5/2.5	600	DBV-6
DBS-3350N819	33-50	20	30	8.0/9.0	19	2.5	N/A	2.5/2.5	800	DBV-6
DBS-4060N410	40-60	26	36	8.5/9.5	10	3.0	N/A	2.2/2.2	650	DBV-4
DBS-4060N412	40-60	26	36	8.5/9.5	12	3.0	N/A	2.2/2.2	800	DBV-4
DBS-4060N514	40-60	25	35	8.0/9.0	14	3.0	N/A	2.2/2.2	950	DBV-4
DBP-4060N617	40-60	25	35	8.0/9.0	17	3.0	N/A	2.2/2.2	1800	DBV-5P

Notes:

1. All above-mentioned amplifiers include internal voltage regulator with input voltage of +11.5Vdc to +15.5Vdc.
2. Maximum RF input power is 17dBm (CW) or 27dBm pulse, 1micro second and 1-% duty cycle.
3. All above-mentioned amplifiers are also offered with a variety of gain boxes under special request.

All above-mentioned amplifiers are offered with **WG** or **Coax** I/O connectors who must be specified by the customer at the time of order.

* Case drawings are contained in this catalog.

** Over any 500 MHz bandwidth.