

DBS Standard Communication Band Amplifiers

9.0-10.0GHz, 10.7-11.7GHz, 14.0-14.5GHz, 16.0-17.0GHz, 18.1-18.6GHz, 20.2-21.2GHz

DBS Standard Communication Amplifiers without Temperature Compensation									
Guaranteed @ +25 C	Frequency Response (GHz) Min.	Gain (dB) Min.	Noise Figure (dB) Max.	PI dB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Typ.	Current @12Vdc (mA) Max.	Case Options*
DBS Model Number									DBX-
DBS-0910N310	9.0-10.0	30	1.0	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-0910N420	9.0-10.0	30	1.5	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-0910N427	9.0-10.0	30	3.0	27	0.5	37	2.0/2.0	750	4I, 3MH
DBS-0910N530	9.0-10.0	30	3.0	30	0.5	40	2.0/2.0	1200	6I, 4MH
DBS-1011N310	10.7-11.7	30	1.5	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-1011N420	10.7-11.7	30	1.5	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-1011N427	10.7-11.7	30	3.0	27	0.5	37	2.0/2.0	950	4I, 2MH
DBS-1011N530	10.7-11.7	30	3.0	30	0.5	40	2.0/2.0	1200	6I, 4MH
DBS-1415N310	14.0-14.5	30	2.0	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-1415N420	14.0-14.5	30	2.0	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-1415N427	14.0-14.5	30	3.0	27	0.5	37	2.0/2.0	950	6I, 3MH
DBP-1415N530	14.0-14.5	30	3.0	30	0.5	40	2.0/2.0	1200	7P
DBS-1617N310	16.0-17.0	30	2.2	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-1617N420	16.0-17.0	30	3.0	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-1617N427	16.0-17.0	30	3.0	27	0.5	37	2.0/2.0	950	6I, 3MH
DBP-1617N530	16.0-17.0	30	3.0	30	0.5	40	2.0/2.0	1800	7P
DBS-1819N310	18.1-18.6	30	2.5	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-1819N420	18.1-18.6	30	3.0	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-1819N423	18.1-18.6	30	3.0	23	0.5	33	2.0/2.0	650	6I, 3MH
DBS-1819N425	18.1-18.6	30	6.0	25	1.0	33	2.0/2.0	900	6I, 3MH
DBS-1819N427	18.1-18.6	30	6.0	27	1.0	34	2.0/2.0	950	6I, 3MH
DBS-1819N530	18.1-18.6	30	6.0	30	1.0	37	2.0/2.0	2000	7P
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB) Min.	Noise Figure (dB) Max.	PI dB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Typ.	Current @12Vdc (mA) Max.	Case Options*
DBH-0910N637	9.5-10.5	35	6.0	37	1.0	47	2.0/2.0	3900	DBH-M
DBH-0910N639	9.5-10.5	35	6.0	39	1.0	49	2.0/2.0	5000 Typ	DBH-M
DBH-1011N637	10.7-11.7	35	6.0	37	1.0	47	2.0/2.0	3900 Typ	DBH-M
DBH-1415N637	14.0-14.5	35	6.0	37	1.0	47	2.0/2.0	3900 Typ	DBH-M
DBH-1415N639	14.0-14.5	35	6.0	39	1.0	49	2.0/2.0	5000 Typ	DBH-M
DBS-2021N410	20.2-21.2	30	2.3	10	1.0	20	2.0/2.0	225	DBK-6
DBS-2021N417	20.2-21.2	25	3.5	17	1.0	27	2.0/2.0	285	DBK-4
DBS-2021N620	20.2-21.2	32	3.5	20	1.0	30	2.0/2.0	425	DBK-6
DBS-2021N623	20.2-21.2	30	4.0	23	1.0	33	2.0/2.0	525	DBK-6
DBS-2021N625	20.2-21.2	30	6.0	25	1.25	35	2.0/2.0	900	DBK-6
DBS-2021N627	20.2-21.2	30	6.0	27	1.25	37	2.0/2.0	1500	DBK-6

Notes:

1. All above-mentioned amplifiers include internal voltage regulator with input voltage of +11.8Vdc to +15.5Vdc.
2. Maximum RF input power is 20dBm (CW) or 30dBm pulse, 1micro second and 1-% duty cycle.
3. All above-mentioned amplifiers are also offered with **temperature compensation** and a variety of gain boxes under special request.

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