

## DBS Standard Communication Band Amplifiers

**4.4-5.0GHz, 5.4-5.9GHz, 5.9-6.4GHz, 7.25-7.75GHz, 7.9-8.4GHz**

Guaranteed @ +25 C	<b>DBS Standard Communication Amplifiers without Temperature Compensation</b>								
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB) Min.	Noise Figure (dB) Max.	P1dB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Typ..	Current @12Vdc (mA) Max.	Case Options* DBX-
DBS-5044N310	4.4-5.0	28	1.5	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-5044N420	4.4-5.0	28	1.5	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-5044N427	4.4-5.0	28	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-5044N530	4.4-5.0	28	3.0	30	0.5	40	2.0/2.0	1200	6I, 4MH
DBS-5954N310	5.4-5.9	28	1.5	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-5954N420	5.4-5.9	28	1.5	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-5954N427	5.4-5.9	28	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-5954N530	5.4-5.9	28	3.0	30	0.5	40	2.0/2.0	1200	6I, 4MH
DBS-6459N310	5.9-6.4	28	1.5	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-6459N420	5.9-6.4	28	1.5	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-6459N427	5.9-6.4	28	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-6459N530	5.9-6.4	28	3.0	30	0.5	40	2.0/2.0	1200	6I, 4MH
DBS-7772N310	7.25-7.75	28	1.5	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-7772N420	7.25-7.75	28	1.5	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-7772N427	7.25-7.75	28	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-7772N530	7.25-7.75	28	3.0	30	0.5	40	2.0/2.0	1200	6I, 4MH
DBS-8479N310	7.9-8.4	28	1.5	10	0.5	20	2.0/2.0	150	4I, 2MH
DBS-8479N420	7.9-8.4	30	1.5	20	0.5	30	2.0/2.0	350	4I, 2MH
DBS-8479N427	7.9-8.4	28	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-8479N530	7.9-8.4	28	3.0	30	0.5	40	2.0/2.0	1200	6I, 4MH
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB) Min.	Noise Figure (dB) Max.	P1dB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Typ.	Current @12Vdc (mA) Typ.	Case Options*
DBH-5044N637	4.4-5.0	35	6.0	37	1.0	47	2.0/2.0	3750	DBH-M
DBH-5954N637	5.4-5.9	35	6.0	37	1.0	47	2.0/2.0	3750	DBH-M
DBH-6459N637	5.9-6.4	35	6.0	37	1.0	47	2.0/2.0	3750	DBH-M
DBH-7772N637	7.25-7.75	35	6.0	37	1.0	47	2.0/2.0	3750	DBH-M
DBH-8479N637	7.9-8.4	35	6.0	37	1.0	47	2.0/2.0	3750	DBH-M

**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.