

DBS Standard Communication Band Amplifiers

2.0-2.5GHz, 2.5-3.0GHz, 2.8-3.3GHz, 3.0-3.5GHz, 3.7-4.2GHz

Guaranteed @ +25 C	DBS Standard Narrow Communication Band Amplifiers without Temperature Compensation								
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* DBX-
DBS-2520N310	2.0-2.5	28	1.5	10	0.5	20	2.0/2.0	175	4I, 2MH
DBS-2520N420	2.0-2.5	30	1.5	20	0.5	30	2.0/2.0	275	4I, 2MH
DBS-2520N427	2.0-2.5	30	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-2520N530	2.0-2.5	40	3.0	30	0.5	40	2.0/2.0	1100	6I, 4MH
DBS-3025N312	2.5-3.0	28	1.5	12	0.5	22	2.0/2.0	175	4I, 2MH
DBS-3025N420	2.5-3.0	30	1.5	20	0.5	30	2.0/2.0	275	4I, 2MH
DBS-3025N427	2.5-3.0	30	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-3025N530	2.5-3.0	40	3.0	30	0.5	40	2.0/2.0	1100	6I, 4MH
DBS-3328N312	2.8-3.3	28	1.5	12	0.5	22	2.0/2.0	175	4I, 2MH
DBS-3328N420	2.8-3.3	30	1.5	20	0.5	30	2.0/2.0	275	4I, 2MH
DBS-3328N427	2.8-3.3	28	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-3328N530	2.8-3.3	30	3.0	30	0.5	40	2.0/2.0	1100	6I, 4MH
DBS-3530N312	3.0-3.5	28	1.5	12	0.5	22	2.0/2.0	175	4I, 2MH
DBS-3530N420	3.0-3.5	30	1.5	20	0.5	30	2.2/2.0	275	4I, 2MH
DBS-3530N427	3.0-3.5	30	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-3530N530	3.0-3.5	30	3.0	30	0.5	40	2.0/2.0	1100	6I, 4MH
DBS-4237N312	3.7-4.2	28	1.5	12	0.5	22	2.0/2.0	175	4I, 2MH
DBS-4237N420	3.7-4.2	30	1.5	20	0.5	30	2.0/2.0	275	4I, 2MH
DBS-4237N427	3.7-4.2	30	3.0	27	0.5	37	2.0/2.0	750	4I, 2MH
DBS-4237N530	3.7-4.2	30	3.0	30	0.5	40	2.0/2.0	1100	6I, 4MH
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) Typ.	Case Options*
DBH-4237N637	3.7-4.2	35	6.0	37	1.0	47	2.0/2.0	3750	DBH-M
DBH-4237N639	3.7-4.2	35	6.0	39	1.0	49	2.0/2.0	5000	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.