

2-8 GHz Amplifiers

Guaranteed @ +25 C	DBS Standard 2-8GHz Amplifiers without Temperature Compensation									
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB) Min.	Gain (dB) Max.	Noise Figure (dB) Typ/Max.	PldB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case Options* DBX-
DBS-0208N108	2-8	14	18	2.0/2.3	8	1.5	18	2.0/2.0	70	2I, 1MH
DBS-0208N215	2-8	24	29	2.1/2.3	15	1.5	25	2.0/2.0	150	2I, 1MH
DBS-0208N315	2-8	30	35	2.1/2.3	15	1.5	25	2.0/2.0	200	4I, 2MH
DBS-0208N415	2-8	42	48	2.1/2.3	15	1.5	25	2.0/2.0	250	4I, 2MH
DBS-0208N218	2-8	24	29	2.3/2.5	18	1.5	28	2.0/2.0	175	2I, 1MH
DBS-0208N220	2-8	20	25	3.5/4.0	20	1.5	30	2.0/2.0	250	2I, 1MH
DBS-0208N320	2-8	32	38	2.5/3.0	20	1.5	30	2.0/2.0	300	4I, 2MH
DBS-0208N420	2-8	42	48	2.5/3.0	20	1.5	30	2.0/2.0	350	4I, 3MH
DBS-0208N520	2-8	45	50	2.5/3.0	20	1.5	30	2.0/2.0	400	6I, 4MH
DBS-0208N323	2-8	32	38	2.5/3.0	23	1.5	33	2.0/2.0	350	4I, 2MH
DBS-0208N527	2-8	32	38	2.5/3.0	27	1.5	37	2.0/2.0	900	6I
DBP-0208N533	2-8	30	38	5.0/5.5	33	2.0	41	2.0/2.0	2200	4P
DBS-0206N530	2-6	35	40	5.5/6.0	30	1.5	40	2.0/2.0	1300	6I
DBP-0206N533	2-6	30	38	6.0/7.0	33	2.0	43	2.2/2.2	2200	4P
Guaranteed @ -54 to 85 C	DBS Standard 2-8GHz Amplifiers with Temperature Compensation									
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB) Min.	Gain (dB) Max.	Noise Figure (dB) Typ./Max.	PldB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case Options* DBX-
DBS-0208T315	2-8	19	24	3.7/4.0	15	1.5	25	2.0/2.0	200	4I, 2MH
DBS-0208T415	2-8	28	33	3.7/4.0	15	2.0	25	2.0/2.0	250	4I, 3MH
DBS-0208T515	2-8	35	40	3.7/4.0	15	2.0	25	2.0/2.0	320	6I, 4MH
DBS-0208T420	2-8	28	33	4.0/4.5	20	2.0	30	2.0/2.0	350	4I, 3MH
DBS-0208T520	2-8	35	40	4.0/4.5	20	2.0	30	2.0/2.0	400	6I, 4MH

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.