

0.5-2 GHz, 4-8 GHz Amplifiers

Guaranteed @ +25 C	DBS Standard 0.5-2, 4-8GHz Amplifiers without Temperature Compensation									
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB) Min.	Gain (dB) Max.	Noise Figure (dB) Max.	P1dB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case Options* DBX-
DBL-0102N210	0.5-2**	28	32	1.0	5	0.5	15	2.0/1.8	125	2I,1MH
DBL-0102N110	0.5-2	12	16	1.8	10	0.75	18	2.0/2.0	100	2I,1MH
DBS-0102N112	0.5-2	12	14	2.2	12	0.75	20	2.0/2.0	100	2I, 1MH
DBS-0102N218	0.5-2	21	26	2.2	18	1.0	28	2.0/2.0	200	2I, 1MH
DBS-0102N318	0.5-2	34	39	2.2	18	1.0	28	2.0/2.0	250	4I, 2MH
DBS-0102N224	0.5-2	23	28	3.0	24	1.5	34	2.0/2.0	350	2I
DBS-0102N430	0.5-2	30	40	3.0	30	2.0	40	2.2/2.2	900	4I
DBP-0102N533	0.5-2	40	50	3.0	33	2.0	43	2.2/2.2	1500	4P
DBL-0408N410	4-8	28	33	1.0	10	1.0	20	1.8/1.8	125	2I, 1MH
DBS-0408N215	4-8	28	33	1.2	15	1.5	25	2.2/2.0	125	2I, 1MH
DBS-0408N318	4-8	30	35	2.5	18	1.5	28	2.0/2.0	230	4I, 2MH
DBS-0408N423	4-8	40	45	2.5	23	1.5	33	2.0/2.0	375	4I, 3MH
Guaranteed @ -54 to 85 C	DBS Standard 0.5-2, 4-8GHz Amplifiers with Temperature Compensation									
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB) Min.	Gain (dB) Max.	Noise Figure (dB) Typ./Max.	P1dB (dBm) Min.	Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case Options* DBX-
DBS-0102T312	0.5-2	18	24	3.2/3.8	12	1.5	22	2.0/2.0	180	4I, 2MH
DBS-0102T412	0.5-2	29	35	3.2/3.8	12	1.5	22	2.0/2.0	250	4I, 3MH
DBS-0408T310	4-8	25	30	2.3/2.6	10	1.5	20	2.0/2.0	180	4I, 2MH
DBS-0408T415	4-8	25	30	3.0/3.4	15	1.5	25	2.0/2.0	250	4I, 3MH

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.