

Limiting Amplifiers (0.5-18 GHz)

Guaranteed @ +25C	DBS Standard 0.5-18 GHz Limiting Amplifiers without Temperature Compensation							
DBS Model Number	Frequency Response (GHz) Min.	Input Pwr. (dBm) Min./Max	Noise Figure (dB) Max.	Psat (dBm) Min./Max.	Psat Flatness (+/-dB) Max.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case Options* DBX-
LDB-0102N307	0.5-2	-32/+10	3.5	3/7	1.0	2.0/2.0	250	4I, 2MH
LDB-0204N311	2-4	-28/+10	3.0	7/11	1.0	2.0/2.0	300	4I, 2MH
LDB-0206N418	2-6	-21/+10	4.0	14/18	1.0	2.0/2.0	300	4I, 2MH
LDB-0208N420	2-8	-19/+10	4.0	16/20	1.0	2.0/2.0	350	4I, 2MH
LDB-0408N418	4-8	-21/+10	4.0	14/18	1.0	2.0/2.0	350	4I, 2MH
LDB-0712N519	7-12.4	-21/+10	5.0	14/19	1.0	2.0/2.0	400	6I, 3MH
LDB-1218N519	12-18	-21/+10	6.0	14/19	1.0	2.0/2.0	400	6I, 3MH
LDB-0818N519	8-18	-21/+10	6.0	14/19	1.0	2.0/2.0	400	6I, 3MH
LDB-0618N519	6-18	-21/+10	6.0	14/19	1.0	2.0/2.0	400	6I, 3MH
LDB-0218N511	2-18	-28/+10	6.5	7/11	1.0	2.0/2.0	375	6I, 4MH
LDB-0218N519	2-18	-21/+10	6.5	14/19	1.0	2.0/2.0	425	6I, 4MH
Guaranteed @ -54 to 85 C	DBS Standard 0.5-18 GHz Limiting Amplifiers with Temperature Compensation							
DBS Model Number	Frequency Response (GHz) Min.	Input Pwr. (dBm) Min./max	Noise Figure (dB) Max.	Psat (dBm) Min./Max.	Psat Flatness (+/-dB) Max.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case Options* DBX-
LDB-0102T307	0.5-2	-61/+10	4.0	3/7	1.5	2.0/2.0	550	4I+4I or 3MH+3MH
LDB-0204T311	2-4	-61/+10	4.5	7/11	1.5	2.0/2.0	650	4I+4I or 3MH+3MH
LDB-0206T418	2-6	-61/+10	5.5	14/18	1.5	2.0/2.0	650	4I+4I or 3MH+3MH
LDB-0208T420	2-8	-61/+10	5.5	16/20	1.5	2.0/2.0	750	4I+4I or 3MH+3MH
LDB-0408T418	4-8	-61/+10	5.5	14/18	1.5	2.0/2.0	750	4I+4I or 3MH+3MH
LDB-0712T519	7-12.4	-61/+10	6.0	14/19	1.5	2.0/2.0	900	6I+6I or 3MH+3MH
LDB-1218T519	12-18	-61/+10	7.0	14/19	1.5	2.0/2.0	900	6I+6I or 3MH+3MH
LDB-0818T519	8-18	-61/+10	7.0	14/19	1.5	2.0/2.0	900	6I+6I or 3MH+3MH
LDB-0618T519	6-18	-61/+10	7.0	14/19	1.5	2.0/2.0	900	6I+6I or 3MH+3MH
LDB-0218T511	2-18	-61/+10	7.5	7/11	1.5	2.0/2.0	950	6I+6I or 4MH+4MH

Notes:

1. All above-mentioned amplifiers include internal voltage regulator with input voltage of +12.0Vdc +/-5%, unless labeled otherwise.
 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.
 4. Typical harmonics rejection is -8dBc throughout input dynamic range.
- * Case drawings for various case options are contained in this catalog.