

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.	Noise Figure (dB) Max.	Psat (dBm) Min./Max	Psat Flatness (+/-dB) Max.	VSWR 50 Ohms I/O Max.	Current @15Vdc (mA) Max.	Case Options* DBX-
LDB-0102N303	0.5-2	-32	3.5	3/7	1.0	2.0/2.0	250	4I, 2MH
LDB-0204N307	2-4	-28	3.0	7/11	1.0	2.0/2.0	300	4I, 2MH
LDB-0206N414	2-6	-21	4.0	14/18	1.0	2.0/2.0	300	4I, 2MH
LDB-0208N416	2-8	-19	4.0	16/20	1.0	2.0/2.0	350	4I, 2MH
LDB-0408N414	4-8	-21	4.0	14/18	1.0	2.0/2.0	350	4I, 2MH
LDB-0712N514	7-12.4	-21	5.0	14/19	1.0	2.0/2.0	400	6I, 3MH
LDB-1218N514	12-18	-21	6.0	14/19	1.0	2.0/2.0	400	6I, 3MH
LDB-0818N514	8-18	-21	6.0	14/19	1.0	2.0/2.0	400	6I, 3MH
LDB-0618N514	6-18	-21	6.0	14/19	1.0	2.0/2.0	400	6I, 3MH
LDB-0218N507	2-18	-28	6.5	7/11	1.0	2.0/2.0	375	6I, 3MH
LDB-0218N514	2-18	-21	6.5	14/19	1.0	2.0/2.0	425	6I, 3MH
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.	Noise Figure (dB) Max.	Psat (dBm) Min./Max	Psat Flatness (+/-dB) Max.	VSWR 50 Ohms I/O Max.	Current @15Vdc (mA) Max.	Case Options* DBX-
LDB-0102T303	0.5-2	-61	4.0	3/7	1.5	2.0/2.0	550	4I+4I or 2MH+2MH
LDB-0204T307	2-4	-61	4.5	7/11	1.5	2.0/2.0	650	4I+4I or 2MH+2MH
LDB-0206T414	2-6	-61	5.5	14/18	1.5	2.0/2.0	650	4I+4I or 2MH+2MH
LDB-0208T416	2-8	-61	5.5	16/20	1.5	2.0/2.0	750	4I+4I or 2MH+2MH
LDB-0408T414	4-8	-61	5.5	14/18	1.5	2.0/2.0	750	4I+4I or 2MH+2MH
LDB-0712T514	7-12.4	-61	6.0	14/19	1.5	2.0/2.0	900	6I+6I or 3MH+3MH
LDB-1218T514	12-18	-61	7.0	14/19	1.5	2.0/2.0	900	6I+6I or 3MH+3MH
LDB-0818T514	8-18	-61	7.0	14/19	1.5	2.0/2.0	900	6I+6I or 3MH+3MH
LDB-0618T514	6-18	-61	7.0	14/19	1.5	2.0/2.0	900	6I+6I or 3MH+3MH
LDB-0218T507	2-18	-61	7.5	7/11	1.5	2.0/2.0	950	6I+6I or 3MH+3MH
LDB-0218T514	2-18	-61	7.5	14/19	1.5	2.0/2.0	950	6I+6I or 3MH+3MH

Notes:

1. All above mentioned amplifiers include internal voltage regulator with input voltage of +15.0Vdc +/-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. Case drawings for various case options are contained in this catalog.

DBS will supply the highest quality products with the best value!