

6-18 GHz Standard Amplifiers

Guaranteed @ +25 C		DBS Standard 6-18GHz Amplifiers without Temperature Compensation									
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB)		Noise Figure (dB) Typ./Max.	P1dB (dBm)		Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case Options* DBX-
		Min.	Max.		Min.	Max.					
DBS-0618N308	6-18	25	29	2.5/2.7	8	1.5	18	18	2.0/2.0	190	4I, 2MH
DBS-0618N213	6-18	16	20	2.7/3.0	13	1.5	23	23	2.0/2.0	140	2I, 2MH
DBS-0618N313	6-18	20	24	2.7/3.0	13	1.5	23	23	2.0/2.0	200	4I, 2MH
DBS-0618N315	6-18	26	30	2.7/3.0	15	1.5	25	25	2.0/2.0	260	4I, 2MH
DBS-0618N415	6-18	32	37	2.7/3.0	15	1.5	25	25	2.0/2.0	320	4I, 3MH
DBS-0618N515	6-18	38	43	2.7/3.0	15	1.5	25	25	2.0/2.0	380	6I, 4MH
DBS-0618N615	6-18	44	49	2.7/3.0	15	1.5	25	25	2.0/2.0	440	6I, 5MH
DBS-0618N715	6-18	50	56	2.7/3.0	15	1.5	25	25	2.0/2.0	500	8I, 6MH
DBS-0618N420	6-18	26	30	2.7/3.0	20	1.5	30	30	2.0/2.0	350	4I, 3MH
DBS-0618N520	6-18	32	37	2.7/3.0	20	1.5	30	30	2.2/2.0	400	6I, 4MH
DBS-0618N620	6-18	36	41	2.7/3.0	20	1.5	30	30	2.0/2.0	430	6I, 5MH
DBS-0618N223	6-18	10	14	6.0/6.5	23	1.5	33	33	2.0/2.0	350	2I
DBS-0618N423	6-18	22	26	6.0/6.5	23	1.5	33	33	2.0/2.0	450	4I
DBS-0618N627	6-18	32	40	6.0/6.5	27	2.0	37	37	2.0/2.0	1200	6I
DBS-0618N727	6-18	40	48	6.0/6.5	27	2.0	37	37	2.0/2.0	1300	6I
DBP-0618N630	6-18	22	30	6.5/7.0	30	2.0	40	40	2.0/2.0	1800 Typ	7P
DBP-0618N830	6-18	30	38	6.5/7.0	30	2.0	40	40	2.0/2.0	2000 Typ	7P
DBP-0618N930	6-18	42	50	6.5/7.0	30	2.0	40	40	2.0/2.0	2200 Typ	7P
Guaranteed @ -54 to 85 C		DBS Standard 6-18GHz Amplifiers with Temperature Compensation									
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB)		Noise Figure (dB) Typ./Max.	P1dB (dBm)		Gain Flatness (+/-dB) Max.	IP3 (dBm) Typ.	VSWR 50 Ohms I/O Max.	Current @12Vdc (mA) Max.	Case Options* DBX-
		Min.	Max.		Min.	Max.					
DBS-0618T515	6-18	25	29	4.0/4.3	15	2.25	25	25	2.0/2.0	350	6I, 4MH
DBS-0618T715	6-18	39	44	4.0/4.3	15	2.25	25	25	2.0/2.0	450	8I, 6MH
DBS-0618T618	6-18	29	34	3.5/4.0	18	2.25	28	28	2.0/2.0	370	6I, 5MH
DBS-0618T718	6-18	35	40	3.5/4.0	18	2.25	28	28	2.0/2.0	450	8I, 6MH
DBS-0618T620	6-18	29	33	3.5/4.0	20	2.25	30	30	2.0/2.0	490	6I, 6MH
DBS-0618T720	6-18	39	44	3.5/4.0	20	2.25	30	30	2.0/2.0	550	8I, 6MH

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.