

6-12 GHz Amplifiers

Guaranteed @ +25 C		DBS Standard 6-12GHz Amplifiers without Temperature Compensation								
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB)	Gain (dB)	Noise Figure (dB)	PI dB (dBm)	Gain Flatness (+/-dB)	IP3 (dBm)	VSWR 50 Ohms I/O	Current @12Vdc (mA)	Case Options*
		Min.	Max.	Typ./Max.	Min.	Max.	Typ.	Max.	Max.	DBX-
DBS-0612N107	6-12	10	14	2.2/2.5	7	1.0	17	2.0/2.0	75	2I, 1MH
DBS-0612N210	6-12	21	24	2.2/2.5	10	1.5	20	2.0/2.0	150	2I, 1MH
DBS-0612N310	6-12	29	33	2.2/2.5	10	1.5	20	2.0/2.0	175	4I, 2MH
DBS-0612N410	6-12	40	46	2.2/2.5	10	1.5	20	2.0/2.0	225	4I, 3MH
DBS-0612N510	6-12	50	58	2.2/2.5	10	1.5	20	2.0/2.0	275	6I, 4MH
DBS-0612N119	6-12	7	10	6.0/7.0	19	1.0	29	2.0/2.0	100	2I, 1MH
DBS-0612N219	6-12	16	20	3.5/4.0	19	1.5	29	2.0/2.0	180	2I, 1MH
DBS-0612N319	6-12	25	29	3.5/4.0	19	1.5	29	2.0/2.0	250	4I, 2MH
DBS-0612N419	6-12	34	38	2.5/3.0	19	1.5	29	2.0/2.0	300	4I, 3MH
DBS-0612N519	6-12	41	46	2.5/3.0	19	1.5	29	2.0/2.0	350	6I, 4MH
DBS-0612N527	6-12	32	38	5.0/5.5	27	1.5	37	2.0/2.0	1100**	6I
DBS-0612N627	6-12	42	48	5.0/5.5	27	1.5	37	2.0/2.0	1200**	6I
DBP-0612N730	6-12	35	41	5.0/5.5	30	1.5	40	2.0/2.0	1800**	7P
Guaranteed @ -54 to 85 C		DBS Standard 6-12GHz Amplifiers with Temperature Compensation								
DBS Model Number	Frequency Response (GHz) Min.	Gain (dB)	Gain (dB)	Noise Figure (dB)	PI dB (dBm)	Gain Flatness (+/-dB)	IP3 (dBm)	VSWR 50 Ohms I/O	Current @12Vdc (mA)	Case Options*
		Min.	Max.	Typ./Max.	Min.	Max.	Typ.	Max.	Max.	DBX-
DBS-0612T420	6-12	22	26	3.5/4.0	20	2.0	30	2.0/2.0	300	4I, 3MH
DBS-0612T520	6-12	33	38	3.5/4.0	20	2.0	30	2.0/2.0	350	6I, 4MH
DBS-0612T620	6-12	41	46	3.5/4.0	20	2.0	30	2.0/2.0	400	6I, 5MH

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.
3. Case drawings for various case options are contained in this catalog.
4. Please indicate case option by adding the following to the P/N, as follows:

-*I for In line case.

-*MH for mini case shipped with removable SMA connectors.

Where * indicates case length and the letter indicates case style.

For example:

DBS-0612N107-2I is in **DBX-2I** case.

DBS-0612N107-1MH is in **DBX-1MH** case.

****** These amplifiers include internal voltage regulator with input voltage of +15Vdc only.

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