

7-12.4 GHz Amplifiers

Guaranteed @ +25 C		DBS Standard 7-12.4GHz Amplifiers without 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-0810N210	8-10	19	23	1.3/1.5	10	1.0	20	2.0/2.0	110	2I, 1MH
DBS-0712N109	7-12.4	10	14	2.3/2.5	9	1.0	19	2.0/2.0	75	2I, 5MH
DBS-0712N210	7-12.4	18	24	2.3/2.5	10	1.5	25	2.0/2.0	125	2I, 1MH
DBS-0712N315	7-12.4	28	32	2.3/2.5	15	1.5	25	2.0/2.0	190	4I, 2MH
DBS-0712N515	7-12.4	38	43	2.3/2.5	15	1.5	25	2.0/2.0	315	6I, 4MH
DBS-0712N615	7-12.4	47	53	2.3/2.5	15	1.5	25	2.0/2.0	380	6I, 5MH
DBS-0712N320	7-12.4	22	26	2.5/3.0	20	1.5	30	2.0/2.0	260	4I, 2MH
DBS-0712N420	7-12.4	32	36	2.5/3.0	20	1.5	30	2.0/2.0	310	4I, 3MH
DBS-0712N520	7-12.4	36	41	2.5/3.0	20	1.5	30	2.0/2.0	350	6I, 4MH
Guaranteed @ -54 to 85 C		DBS Standard 7-12.4GHz 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-0712T315	7-12.4	17	21	3.5/3.8	15	2.0	25	2.0/2.0	230	4I, 2MH
DBS-0712T415	7-12.4	24	28	3.5/3.8	15	2.0	25	2.0/2.0	300	4I, 3MH
DBS-0712T515	7-12.4	30	35	3.5/3.8	15	2.0	25	2.0/2.0	330	6I, 4MH
DBS-0712T615	7-12.4	36	41	3.5/3.8	15	2.0	25	2.0/2.0	370	6I, 5MH
DBS-0712T715	7-12.4	42	48	3.5/3.8	15	2.0	25	2.0/2.0	420	8I, 6MH
DBS-0712T420	7-12.4	25	29	3.5/4.0	20	2.0	30	2.0/2.0	300	4I, 3MH
DBS-0712T520	7-12.4	31	36	3.5/4.0	20	2.0	30	2.0/2.0	380	6I, 4MH
DBS-0712T620	7-12.4	41	46	3.5/4.0	20	2.0	30	2.0/2.0	420	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.

* Case drawings for various case options are contained in this catalog.