

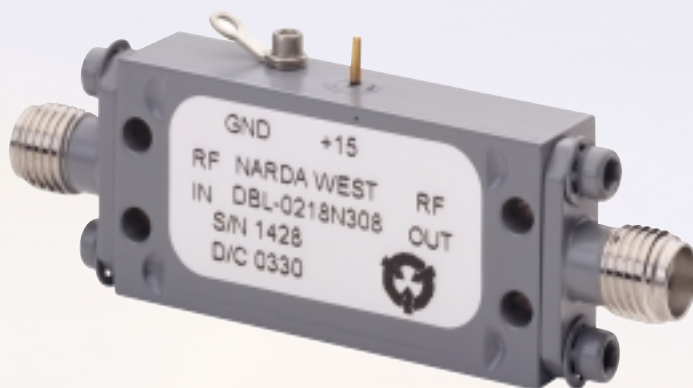


Low Noise Amplifiers

0.5 TO 18 GHz, WIDE BANDWIDTH

FEATURES

- MULTIPLE GAIN AND P1dB RANGES
- INTERNAL VOLTAGE REGULATOR INCLUDED
- INPUT VOLTAGE OF +11.5V DC TO +15.5V DC
- SMALL HERMETIC UNITS
- CHOICE OF CASE OPTIONS ON MOST UNITS
- CUSTOM CONFIGURATIONS AVAILABLE



DBX-MH case option shown

Frequency Response (GHz)	Gain (dB) Min.	Gain (dB) Max.	Gain Flatness (+/-dB) Max.	Noise Figure (dB) Typ./Max.	P1dB (dBm) Min.	IP3 (dBm) Typ.	VSWR 50 Ohms In/Out Max.	Current @12V DC (mA) Max.	Case Options	Narda Model Number
0.5-2.0	28	32	0.5	1.8/2.0	5	15	2.0/2.0	150	DBX-1MH	DBL-0102N305
0.5-2.0	12	16	0.75	1.8/2.0	10	18	2.0/2.0	100	DBX-2I, DBX-1MH	DBL-0102N110
0.5-2.0	28	32	0.5	1.8/2.0	10	15	2.0/1.8	125	DBX-2I, DBX-1MH	DBL-0102N210
2.0-4.0	28	32	1.0	1.8/2.0	10	20	2.0/2.0	150	DBX-1MH	DBL-0204N310
2.0-8.0	14	18	1.5	2.0/2.3	8	18	2.0/2.0	70	DBX-2I, DBX-1MH	DBS-0208N108
2.0-8.0	24	29	1.5	2.1/2.3	15	25	2.0/2.0	150	DBX-2I, DBX-1MH	DBS-0208N215
2.0-8.0	30	35	1.5	2.1/2.3	15	25	2.0/2.0	200	DBX-4I, DBX-2MH	DBS-0208N315
2.0-8.0	42	48	1.5	2.1/2.3	15	25	2.0/2.0	250	DBX-4I, DBX-2MH	DBS-0208N415
2.0-18.0	22	27	1.75	3.0/3.5	8	18	2.0/2.0	160	DBX-2I, DBX-1MH	DBL-0218N208
2.0-18.0	32	38	1.75	3.0/3.5	8	18	2.0/2.0	200	DBX-4I, DBX-2MH	DBL-0218N308
4.0-8.0	28	33	1.0	1.8/2.0	10	20	2.0/2.0	150	DBX-1MH	DBL-0408N410
4.0-8.0	28	33	1.5	2.2/2.5	15	25	2.2/2.0	125	DBX-2I, DBX-1MH	DBS-0408N215
4.0-11.0	10	15	1.5	2.2/2.5	7	17	2.0/2.0	75	DBX-2I, DBX-SMH	DBS-0411N107
4.0-11.0	19	23	1.5	2.2/2.5	10	20	2.0/2.0	140	DBX-2I, DBX-1MH	DBS-0411N210
4.0-11.0	28	32	1.5	2.2/2.5	13	23	2.0/2.0	200	DBX-4I, DBX-2MH	DBS-0411N313
4.0-11.0	43	49	1.5	2.2/2.5	15	25	2.0/2.0	300	DBX-6I, DBX-4MH	DBS-0411N515
5.0-11.0	30	34	1.0	2.2/2.5	10	20	2.0/2.0	200	DBX-2MH	DBL-0511N410
5.0-13.0	10	14	1.0	2.2/2.5	10	20	2.0/2.0	75	DBX-2I, DBX-SMH	DBS-0513N110
5.0-13.0	20	24	1.5	2.2/2.5	15	25	2.0/2.0	140	DBX-2I, DBX-1MH	DBS-0513N215
5.0-13.0	28	32	1.5	2.2/2.5	15	25	2.0/2.0	180	DBX-4I, DBX-3MH	DBS-0513N415
6.0-12.0	10	14	1.0	2.2/2.5	8	17	2.0/2.0	75	DBX-2I, DBX-SMH	DBS-0612N108
6.0-12.0	20	24	1.5	2.2/2.5	10	20	2.0/2.0	150	DBX-2I, DBX-1MH	DBS-0612N210
6.0-12.0	29	33	1.5	2.2/2.5	15	25	2.0/2.0	175	DBX-4I, DBX-2MH	DBS-0612N315
6.0-12.0	40	46	1.5	2.2/2.5	15	25	2.0/2.0	225	DBX-4I, DBX-3MH	DBS-0612N415
6.0-12.0	50	58	1.5	2.2/2.5	15	25	2.0/2.0	275	DBX-6I, DBX-4MH	DBS-0612N515
6.0-18.0	28	32	1.0	2.2/2.5	10	20	2.0/2.0	200	DBX-2MH	DBL-0618N410
6.0-18.0	25	29	1.5	2.5/3.0	8	18	2.0/2.0	190	DBX-4I, DBX-2MH	DBS-0618N308
6.0-18.0	16	20	1.5	2.7/3.0	13	23	2.0/2.0	140	DBX-2I, DBX-2MH	DBS-0618N213
6.0-18.0	50	56	1.5	2.7/3.0	15	25	2.0/2.0	500	DBX-8I, DBX-6MH	DBS-0618N715

Chart continued on back

Continued from front

0.5 TO 18 GHz, WIDE BANDWIDTH

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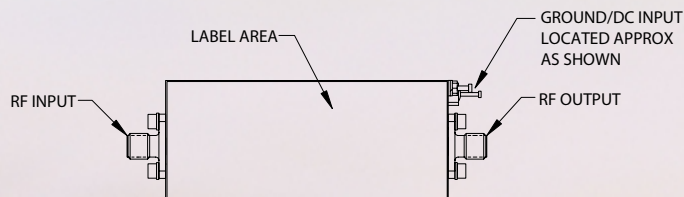
Frequency Response (GHz)	Gain (dB) Min.	Gain (dB) Max.	Gain Flatness (+/-dB) Max.	Noise Figure (dB) Typ./Max.	P1dB (dBm) Min.	IP3 (dBm) Typ.	VSWR 50 Ohms In/Out Max.	Current @12V DC (mA) Max.	Case Options	Narda Model Number
6.0-18.0	20	24	1.5	2.3/2.5	8	18	2.0/2.0	150	DBX-2I, DBX-1MH	DBL-0618N208
6.0-18.0	28	33	1.0	2.3/2.5	10	20	2.0/2.0	150	DBX-4I	DBL-0618N410
6.0-18.0	25	29	1.5	2.3/2.5	13	23	2.0/2.0	190	DBX-4I, DBX-2MH	DBL-0618N313
6.0-18.0	28	32	1.5	2.3/2.5	15	25	2.0/2.0	200	DBX-4I, DBX-2MH	DBL-0618N315
6.0-18.0	32	37	1.5	2.3/2.5	15	25	2.0/2.0	275	DBX-4I, DBX-3MH	DBL-0618N415
6.0-18.0	38	43	1.5	2.3/2.5	15	25	2.0/2.0	350	DBX-6I, DBX-4MH	DBL-0618N515
6.0-18.0	44	49	1.5	2.3/2.5	15	25	2.0/2.0	420	DBX-6I, DBX-5MH	DBL-0618N615
6.0-18.0	38	43	1.5	2.3/2.5	17	27	2.0/2.0	375	DBX-6I, DBX-4MH	DBL-0618N517
6.0-18.0	30	34	1.5	2.3/2.5	20	30	2.0/2.0	370	DBX-4I, DBX-3MH	DBL-0618N420
6.0-18.0	32	37	1.5	2.3/2.5	20	30	2.2/2.0	430	DBX-6I, DBX-4MH	DBL-0618N520
6.0-18.0	38	43	1.5	2.3/2.5	20	30	2.0/2.0	450	DBX-6I, DBX-5MH	DBL-0618N620
6.0-18.0	42	46	1.5	2.3/2.5	20	30	2.0/2.0	490	DBX-8I, DBX-6MH	DBL-0618N720
7.0-12.4	10	14	1.0	2.3/2.5	9	19	2.0/2.0	75	DBX-2I, DBX-SMH	DBS-0712N109
7.0-12.4	18	24	1.5	2.3/2.5	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBS-0712N210
7.0-12.4	28	32	1.5	2.3/2.5	15	25	2.0/2.0	190	DBX-4I, DBX-2MH	DBS-0712N315
7.0-12.4	38	43	1.5	2.3/2.5	15	25	2.0/2.0	315	DBX-6I, DBX-4MH	DBS-0712N515
7.0-12.4	47	53	1.5	2.3/2.5	15	25	2.0/2.0	380	DBX-6I, DBX-5MH	DBS-0712N615
7.0-12.4	22	26	1.5	2.5/3.0	20	30	2.0/2.0	260	DBX-4I, DBX-2MH	DBS-0712N320
7.0-12.4	32	36	1.5	2.5/3.0	20	30	2.0/2.0	310	DBX-4I, DBX-3MH	DBS-0712N420
12.0-18.0	15	19	1.0	2.8/3.0	13	23	2.0/2.0	140	DBX-2I, DBX-1MH	DBS-1218N213
12.0-18.0	20	25	1.5	2.8/3.0	13	23	2.0/2.0	190	DBX-4I, DBX-2MH	DBS-1218N313
12.0-18.0	26	31	1.5	2.8/3.0	15	25	2.0/2.0	260	DBX-4I, DBX-3MH	DBS-1218N415
12.0-18.0	32	37	1.5	2.8/3.0	15	25	2.0/2.0	310	DBX-6I, DBX-4MH	DBS-1218N515
12.0-18.0	38	43	1.5	2.8/3.0	15	25	2.0/2.0	360	DBX-6I, DBX-5MH	DBS-1218N615
12.0-18.0	44	49	1.5	2.8/3.0	15	25	2.0/2.0	410	DBX-8I, DBX-6MH	DBS-1218N715

Maximum RF input power is +20 dBm CW or +30 dBm pulse at 1 micro second and 1% duty cycle.

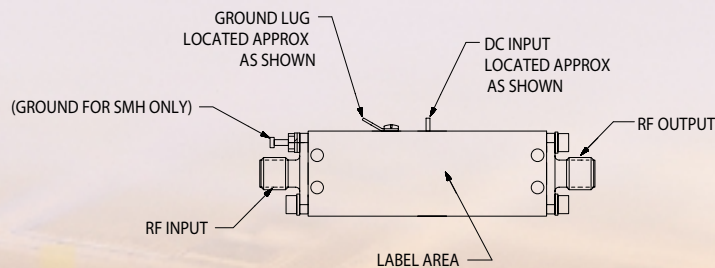
Performance guaranteed at +25°C.

SMA Female connectors are standard.

CASE OPTIONS



DBX-I SERIES



DBX-MH SERIES