www.nardamicrowave.com

Low Noise Amplifiers

0.5 TO 18 GHz, NARROW BANDWIDTH

FEATURES

- COMMON COMMUNICATION BANDS COVERED
- 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 Flatness (+/-dB) Max.	Noise Figure (dB) Max.	P1dB (dBm) Min.	IP3 (dBm) Typ.	VSWR 50 Ohms In/Out Max.	Current @12V DC (mA) Max.	Case Options	Narda Model Number
2.0-2.5	28	0.5	2.0	10	20	2.0/2.0	175	DBX-4I, DBX-2MH	DBS-2520N310
2.0-2.5	30	0.5	2.0	20	30	2.0/2.0	275	DBX-4I, DBX-2MH	DBS-2520N420
2.2-2.4	15	0.5	1.5	10	20	2.0/2.0	80	DBX-SMH	DBL-2422N110
2.2-2.4	30	0.5	1.5	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBL-2422N210
2.5-3.0	28	0.5	2.0	12	22	2.0/2.0	175	DBX-4I, DBX-2MH	DBS-3025N312
2.5-3.0	30	0.5	2.0	20	30	2.0/2.0	275	DBX-4I, DBX-2MH	DBS-3025N420
2.7-3.1	30	0.5	1.5	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBL-3127N210
2.8-3.3	28	0.5	2.0	12	22	2.0/2.0	175	DBX-4I, DBX-2MH	DBS-3328N312
2.8-3.3	30	0.5	2.0	20	30	2.0/2.0	275	DBX-4I, DBX-2MH	DBS-3328N420
3.0-3.5	28	0.5	2.0	12	22	2.0/2.0	175	DBX-4I, DBX-2MH	DBS-3530N312
3.0-3.5	30	0.5	2.0	20	30	2.2/2.0	275	DBX-4I, DBX-2MH	DBS-3530N420
3.7-4.2	28	0.5	2.0	12	22	2.0/2.0	175	DBX-4I, DBX-2MH	DBS-4237N312
3.7-4.2	30	0.5	2.0	20	30	2.0/2.0	275	DBX-4I, DBX-2MH	DBS-4237N420
4.4-5.0	28	0.5	2.0	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-5044N310
4.4-5.0	28	0.5	2.0	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-5044N420
5.4-5.9	28	0.5	2.0	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-5954N310
5.4-5.9	28	0.5	2.0	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-5954N420
5.4-6.0	30	0.5	1.5	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBL-6054N210
5.9-6.4	28	0.5	2.0	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-6459N310
5.9-6.4	28	0.5	2.0	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-6459N420
7.25-7.75	28	0.5	2.0	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-7772N310
7.25-7.75	28	0.5	2.0	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-7772N420
7.9-8.4	28	0.5	2.0	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-8479N310

Chart continued on back

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Continued from front

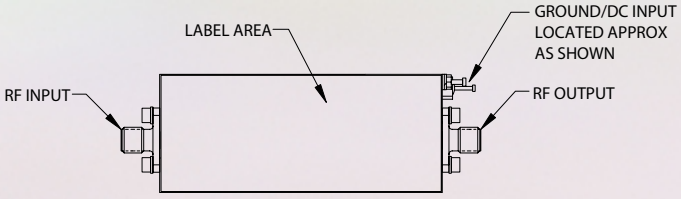
0.5 TO 18 GHz, NARROW BANDWIDTH

Low Noise Amplifiers

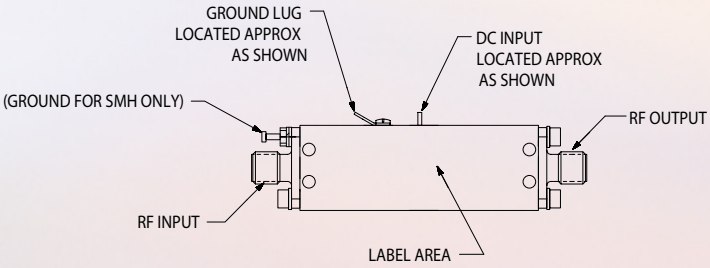
Frequency Response (GHz)	Gain (dB) Min.	Gain Flatness (+/-dB) Max.	Noise Figure (dB) Typ./Max.	P1dB (dBm) Min.	IP3 (dBm) Typ.	VSWR 50 Ohms In/Out Max.	Current @12V DC (mA) Max.	Case Options	Narda Model Number
7.9-8.4	30	0.5	2.0	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-8479N420
8.0-10.0	19	1.0	2.0	10	20	2.0/2.0	110	DBX-2I, DBX-1MH	DBS-0810N210
8.5-10.5	20	1.0	1.7	10	20	2.0/2.0	100	DBX-2I, DBX-1MH	DBL-8510N210
9.0-10.0	30	1.0	1.7	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-0910N310
9.0-10.0	30	1.0	1.7	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-0910N420
10.5-11.5	20	1.0	1.7	10	20	2.0/2.0	100	DBX-2I, DBX-1MH	DBL-1011N210
10.7-11.7	30	1.0	1.7	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-1011N310
10.7-11.7	30	1.0	1.7	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-1011N420
11.0-13.0	30	1.0	2.0	10	20	2.0/2.0	200	DBX-2MH	DBL-1113N410
11.5-12.5	20	0.5	2.2	10	20	2.0/2.0	100	DBX-2I, DBX-1MH	DBL-1112N210
12.5-13.5	20	0.5	2.2	10	20	2.0/2.0	100	DBX-2I, DBX-1MH	DBL-1213N210
13.5-14.5	20	0.5	2.2	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBL-1314N210
14.0-14.5	30	0.5	2.5	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-1415N310
14.0-14.5	30	0.5	2.5	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-1415N420
14.5-15.5	20	0.5	2.2	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBL-1415N210
15.5-16.5	20	0.5	2.2	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBL-1516N210
16.0-17.0	30	0.5	2.5	10	20	2.0/2.0	150	DBX-4I, DBX-2MH	DBS-1617N310
16.0-17.0	30	0.5	3.0	20	30	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-1617N420
16.5-17.5	20	0.5	2.2	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBL-1617N210
17.5-18.5	20	0.5	2.2	10	20	2.0/2.0	125	DBX-2I, DBX-1MH	DBL-1718N210

Maximum RF input power is +17 dBm CW or +27 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