



www.nardamicrowave.com

Medium Power Amplifiers

0.5 TO 18 GHz, OUTPUT POWERS <+24 dBm

FEATURES

- WIDE BANDWIDTHS
- 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-I 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	12	15	0.75	2.0/2.2	12	20	2.0/2.0	100	DBX-2I, DBX-1MH	DBS-0102N112
0.5-2.0	22	28	1.0	2.0/2.2	18	28	2.0/2.0	200	DBX-2I, DBX-1MH	DBS-0102N218
0.5-2.0	34	39	1.0	2.0/2.2	18	28	2.0/2.0	250	DBX-4I, DBX-2MH	DBS-0102N318
0.5-12.0	20	26	1.5	5.5/6.5	10	20	2.0/2.0	270	DBX-2I, DBX-1MH	DBS-0112N210
0.5-12.0	38	46	2.0	5.5/6.5	10	20	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-0112N410
0.5-12.0	21	26	2.0	5.5/6.5	23	33	2.0/2.0	475	DBX-4I	DBS-0112N323
1.0-19.0	18	24	2.0	5.0/5.5	10	20	2.2/2.2	200	DBX-4I, DBX-2MH	DBS-0119N310
1.0-19.0	24	31	2.0	5.0/5.5	10	20	2.2/2.2	250	DBX-4I, DBX-2MH	DBS-0119N410
1.0-19.0	29	36	2.0	5.0/5.5	10	20	2.2/2.2	275	DBX-4I, DBX-3MH	DBS-0119N510
2.0-8.0	24	29	1.5	2.3/2.5	18	28	2.0/2.0	175	DBX-2I, DBX-1MH	DBS-0208N218
2.0-8.0	20	25	1.5	3.5/4.0	20	30	2.0/2.0	250	DBX-2I, DBX-1MH	DBS-0208N220
2.0-8.0	32	38	1.5	2.5/3.0	20	30	2.0/2.0	300	DBX-4I, DBX-2MH	DBS-0208N320
2.0-8.0	42	48	1.5	2.5/3.0	20	30	2.0/2.0	350	DBX-4I, DBX-3MH	DBS-0208N420
2.0-8.0	45	50	1.5	2.5/3.0	20	30	2.0/2.0	400	DBX-6I, DBX-4MH	DBS-0208N520
2.0-8.0	32	38	1.5	2.5/3.0	23	33	2.0/2.0	350	DBX-4I, DBX-2MH	DBS-0208N323
2.0-18.0	7	10	1.5	4.0/4.5	8	18	2.0/2.0	85	DBX-2I, DBX-1MH	DBS-0218N108
2.0-18.0	14	18	1.5	4.0/4.5	9	19	2.0/2.0	100	DBX-2I, DBX-1MH	DBS-0218N109
2.0-18.0	20	26	1.75	4.0/4.5	18	28	2.0/2.0	350	DBX-4I, DBX-3MH	DBS-0218N318
2.0-18.0	20	26	2.0	4.5/5.0	20	30	2.0/2.0	425	DBX-4I	DBS-0218N320
2.0-18.0	31	38	1.75	4.0/4.5	15	25	2.0/2.0	325	DBX-4I, DBX-3MH	DBS-0218N415
2.0-18.0	30	36	2.0	4.5/5.0	23	31	2.0/2.2	1000	DBXN-6	DBM-0218N623
4.0-8.0	30	35	1.5	2.3/2.5	18	28	2.0/2.0	230	DBX-4I, DBX-2MH	DBS-0408N318
4.0-8.0	40	45	1.5	2.3/2.5	23	33	2.0/2.0	375	DBX-4I, DBX-3MH	DBS-0408N423

Chart continued on back

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107 Woodmere Road Folsom, CA 95630 Phone: 916.351.4500 FAX: 916.351.4550

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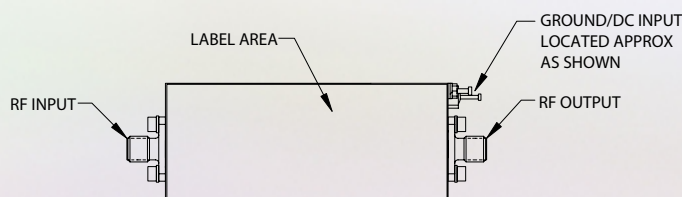
Frequency Response (GHz)	Gain (dB) Min.	Gain (dB) Max.	Gain Flatness (+/-dB) Max.	Noise Figure (dB) Typ./Max.	P1dB (dBm) Min.	IP3 (dBm) Typ.	VSWR 50 Ohms In/Out Max.	Current @12V DC (mA) Max.	Case Options	Narda Model Number
4.0-11.0	19	23	1.5	4.0/4.5	20	30	2.0/2.0	200	DBX-2I, DBX-1MH	DBS-0411N220
4.0-11.0	26	30	1.5	4.0/4.5	20	30	2.0/2.0	250	DBX-4I, DBX-2MH	DBS-0411N320
4.0-11.0	34	39	1.5	4.0/4.5	20	30	2.0/2.0	300	DBX-4I, DBX-3MH	DBS-0411N420
4.0-11.0	41	47	1.5	4.0/4.5	20	30	2.0/2.0	350	DBX-6I, DBX-4MH	DBS-0411N520
5.0-13.0	18	21	1.5	3.0/3.5	20	30	2.0/2.0	140	DBX-2I, DBX-1MH	DBS-0513N220
5.0-13.0	27	31	1.5	3.0/3.5	20	30	2.0/2.0	290	DBX-4I, DBX-2MH	DBS-0513N320
5.0-13.0	38	43	1.5	3.0/3.5	20	30	2.0/2.0	320	DBX-4I, DBX-3MH	DBS-0513N420
5.0-13.0	46	52	1.5	3.0/3.5	20	30	2.0/2.0	380	DBX-6I, DBX-4MH	DBS-0513N520
6.0-12.0	7	10	1.0	6.0/7.0	20	29	2.0/2.0	125	DBX-1MH	DBS-0612N120
6.0-12.0	16	20	1.5	3.5/4.0	20	29	2.0/2.0	180	DBX-2I, DBX-1MH	DBS-0612N220
6.0-12.0	25	29	1.5	3.5/4.0	20	29	2.0/2.0	250	DBX-4I, DBX-2MH	DBS-0612N320
6.0-12.0	34	38	1.5	3.5/4.0	20	29	2.0/2.0	300	DBX-4I, DBX-3MH	DBS-0612N420
6.0-12.0	41	46	1.5	3.5/4.0	20	29	2.0/2.0	350	DBX-6I, DBX-4MH	DBS-0612N520
6.0-18.0	10	14	1.5	6.0/6.5	23	33	2.0/2.0	350	DBX-2I	DBS-0618N223
6.0-18.0	22	26	1.5	6.0/6.5	23	33	2.0/2.0	510	DBX-4I	DBS-0618N423
6.0-18.0	28	32	1.5	2.7/3.0	20	30	2.0/2.0	370	DBX-4I, DBX-3MH	DBS-0618N420
6.0-18.0	32	37	1.5	2.7/3.0	20	30	2.0/2.0	430	DBX-6I, DBX-4MH	DBS-0618N520
6.0-18.0	36	41	1.5	2.7/3.0	20	30	2.0/2.0	450	DBX-6I, DBX-5MH	DBS-0618N620

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

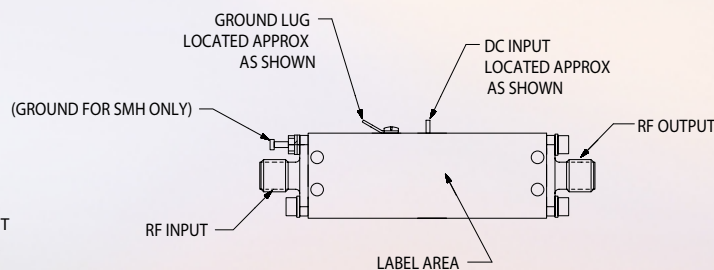
Performance guaranteed at +25°C.

SMA Female connectors are standard.

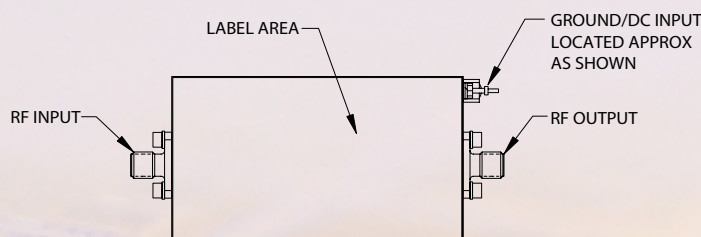
CASE OPTIONS



DBX-I SERIES



DBX-MH SERIES



DBXN SERIES