

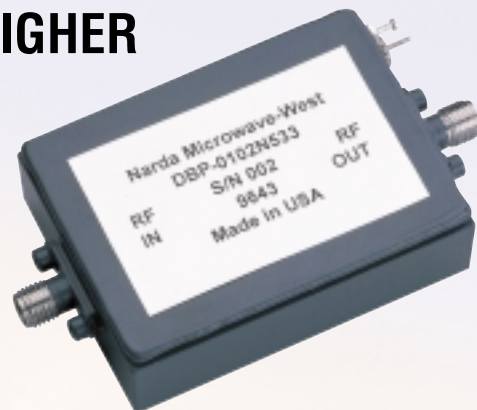


High Power Amplifiers

0.5 TO 18 GHz, OUTPUT P1dB +24 dBm OR HIGHER

FEATURES

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



DBX-I case option shown

Frequency Response (GHz)	Gain (dB) Min.	Gain (dB) Max.	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
0.5-2.0	23	28	1.5	4.0	24	34	2.0/2.0	350	DBX-2I	DBS-0102N224
0.5-2.0	30	40	2.0	4.0	30	40	2.2/2.2	900	DBX-4I	DBS-0102N430
0.5-2.0	40	50	2.0	4.0	33	43	2.0/2.0	1500	DBX-4P	DBP-0102N533
2.0-2.5	30	36	0.5	4.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-2520N427
2.0-2.5	40	48	0.5	4.0	30	40	2.0/2.0	1100	DBX-6I, DBX-4MH	DBS-2520N530
2.0-6.0	35	42	1.5	6.0	30	40	2.0/2.0	1300	DBX-6I	DBS-0206N530
2.0-6.0	30	38	2.0	7.0	33	43	2.2/2.2	2200	DBX-4P	DBP-0206N533
2.0-8.0	32	38	1.5	4.0	27	37	2.0/2.0	900	DBX-6I	DBS-0208N527
2.0-8.0	30	38	2.0	5.5	33	41	2.0/2.0	2200	DBX-4P	DBP-0208N533
2.0-18.0	38	44	2.0	5.0	25	33	2.0/2.5	1600 Typ.	DBXN-6	DBM-0218N625
2.0-18.0	30	36	2.0	5.5	27	35	2.0/2.5	1700 Typ.	DBXN-6P	DBM-0218N427
2.0-18.0	34	41	2.0	5.5	27	35	2.0/2.5	1800 Typ.	DBXN-6P	DBM-0218N627
2.5-3.0	30	38	0.5	4.0	27	37	2.0/2.0	750	DBX 4I, DBX-2MH	DBS-3025N427
2.5-3.0	40	48	0.5	4.0	30	40	2.0/2.0	1100	DBX-6I, DBX-4MH	DBS-3025N530
2.8-3.3	28	33	0.5	4.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-3328N427
2.8-3.3	30	36	0.5	4.0	30	40	2.0/2.0	1100	DBX-6I, DBX-4MH	DBS-3328N530
3.0-3.5	30	36	0.5	4.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-3530N427
3.0-3.5	30	36	0.5	4.0	30	40	2.0/2.0	1100	DBX-6I, DBX-4MH	DBS-3530N530
3.7-4.2	30	36	0.5	4.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-4237N427
3.7-4.2	30	36	0.5	4.0	30	40	2.0/2.0	1100	DBX-6I, DBX-4MH	DBS-4237N530
3.7-4.2	35	45	1.0	6.0	37	47	2.0/2.0	3750	DBX-IMPI	DBH-4237N637
3.7-4.2	35	45	1.0	6.0	39	49	2.0/2.0	5000	DBX-IMPI	DBH-4237N639
4.0-11.0	32	38	1.5	6.0	27	37	2.0/2.0	950	DBX-4I, DBX-3MH	DBS-0411N427
4.0-11.0	40	45	1.5	6.0	27	37	2.0/2.0	1050	DBX-6I, DBX-4MH	DBS-0411N527
4.0-11.0	39	45	1.5	7.5	30	40	2.0/2.0	1250	DBX-6I, DBX-4MH	DBS-0411N630
4.4-5.0	28	33	0.5	4.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-5044N427
4.4-5.0	28	33	0.5	4.0	30	40	2.0/2.0	1200	DBX-6I, DBX-4MH	DBS-5044N530
4.4-5.0	35	45	1.0	6.0	37	47	2.0/2.0	3750	DBX-IMPI	DBH-5044N637
5.4-5.9	28	33	0.5	4.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-5954N427
5.4-5.9	28	33	0.5	4.0	30	40	2.0/2.0	1200	DBX-6I, DBX-4MH	DBS-5954N530
5.4-5.9	35	45	1.0	6.0	37	47	2.0/2.0	3750	DBX-IMPI	DBH-5954N637
5.9-6.4	28	33	0.5	4.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-6459N427
5.9-6.4	28	33	0.5	4.0	30	40	2.0/2.0	1200	DBX-6I, DBX-4MH	DBS-6459N530
5.9-6.4	35	45	1.0	6.0	37	47	2.0/2.0	3750	DBX-IMPI	DBH-6459N637
6.0-12.0	32	38	2.0	5.5	27	37	2.0/2.0	1100	DBX-6I	DBS-0612N527
6.0-12.0	42	48	2.0	5.5	27	37	2.0/2.0	1200	DBX-6I	DBS-0612N627

Chart continued on back

narda
microwave-west

0.5 TO 18 GHz

OUTPUT P1dB <+24 dBm

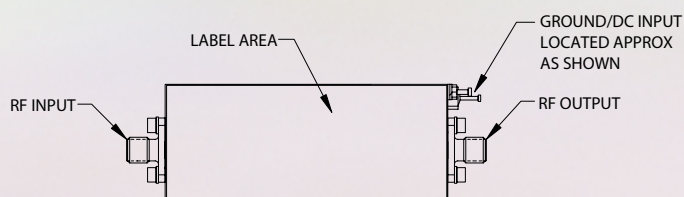
High Power Amplifiers

Frequency Response (GHz)	Gain (dB) Min.	Gain (dB) Max.	Gain Flatness (+/-dB) Max.	Noise Figure (dB) Max.	P1dB (dBm) Min.	IP3 (dBm) Typ.	VSWR 50 Ohms In/Out Typ.	Current @12V DC (mA) Max.	Case Options	Narda Model Number
6.0-12.0	35	41	2.0	5.5	30	38	2.0/2.0	1250	DBX-6I	DBS-0612N630
6.0-12.0	30	35	2.0	5.5	33	41	2.0/2.0	1800	DBX-7P	DBP-0612N633
6.0-18.0	10	16	1.5	7.5	23	33	2.0/2.0	400	DBX-2I	DBS-0618N223
6.0-18.0	32	40	2.0	6.5	27	37	2.0/2.0	1200	DBX-6I	DBS-0618N627
6.0-18.0	40	48	2.0	6.5	27	37	2.0/2.0	1300	DBX-6I	DBS-0618N727
6.0-18.0	26	34	2.0	8.0	30	40	2.0/2.0	1800 Typ.	DBX-7P	DBP-0618N630
6.0-18.0	34	42	2.0	8.0	30	40	2.0/2.0	2000 Typ.	DBX-7P	DBP-0618N830
6.0-18.0	42	50	2.0	8.0	30	40	2.0/2.0	2200 Typ.	DBX-7P	DBP-0618N930
7.25-7.75	28	33	0.5	3.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-7772N427
7.25-7.75	28	33	0.5	3.0	30	40	2.0/2.0	1200	DBX-6I, DBX-4MH	DBS-7772N530
7.25-7.75	35	45	1.0	6.0	37	47	2.0/2.0	3750	DBX-IMPI	DBH-7772N637
7.9-8.4	28	33	0.5	3.0	27	37	2.0/2.0	750	DBX-4I, DBX-2MH	DBS-8479N427
7.9-8.4	28	33	0.5	3.0	30	40	2.0/2.0	1200	DBX-6I, DBX-4MH	DBS-8479N530
7.9-8.4	35	45	1.0	6.0	37	47	2.0/2.0	3750	DBX-IMPI	DBH-8479N637
8.0-12.0	44	50	1.5	5.5	28	38	2.0/2.0	1200	DBX-8I	DBS-0812N528
8.0-12.0	48	54	2.0	5.5	30	40	2.0/2.0	2000	DBX-7P	DBP-0812N730
8.0-12.0	40	46	2.0	6.5	33	43	2.0/2.0	2200 Typ.	DBX-7P	DBP-0812N733
9.0-10.0	30	40	0.5	3.0	27	37	2.0/2.0	750	DBX-4I, DBX-3MH	DBS-0910N427
9.0-10.0	30	40	0.5	3.0	30	40	2.0/2.0	1200	DBX-6I, DBX-4MH	DBS-0910N530
9.5-10.5	35	45	1.0	6.0	37	47	2.0/2.0	3900	DBX-IMPI	DBH-0910N637
9.5-10.5	35	45	1.0	6.0	39	49	2.0/2.0	5000 Typ.	DBX-IMPI	DBH-0910N639
10.7-11.7	30	40	0.5	3.0	27	37	2.0/2.0	950	DBX-4I, DBX-2MH	DBS-1011N427
10.7-11.7	30	40	0.5	3.0	30	40	2.0/2.0	1200	DBX-6I, DBX-4MH	DBS-1011N530
10.7-11.7	35	45	1.0	6.0	37	47	2.0/2.0	3900 Typ.	DBX-IMPI	DBH-1011N637
14.0-14.5	30	40	0.5	3.0	27	37	2.0/2.0	950	DBX-6I, DBX-3MH	DBS-1415N427
14.0-14.5	30	40	0.5	3.0	30	40	2.0/2.0	1200	DBX-7P	DBP-1415N530
14.0-14.5	35	45	1.0	6.0	37	47	2.0/2.0	3900 Typ.	DBX-IMPI	DBH-1415N637
14.0-14.5	35	45	1.0	6.0	39	49	2.0/2.0	5000 Typ.	DBX-IMPI	DBH-1415N639
16.0-17.0	30	40	0.5	3.0	27	37	2.0/2.0	950	DBX-6I, DBX-3MH	DBS-1617N427
16.0-17.0	30	40	0.5	3.0	30	40	2.0/2.0	1800	DBX-7P	DBP-1617N530

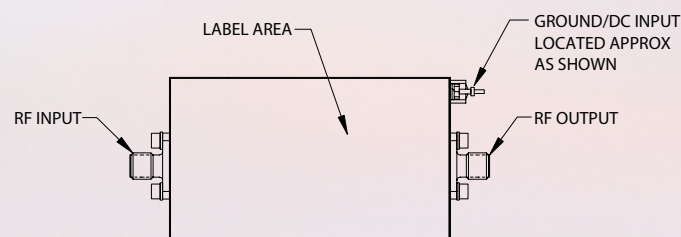
Maximum RF input power is +20 dBm CW or +30 dBm pulse at 1 micro second and 1% duty cycle.

Performance guaranteed at +25°C.

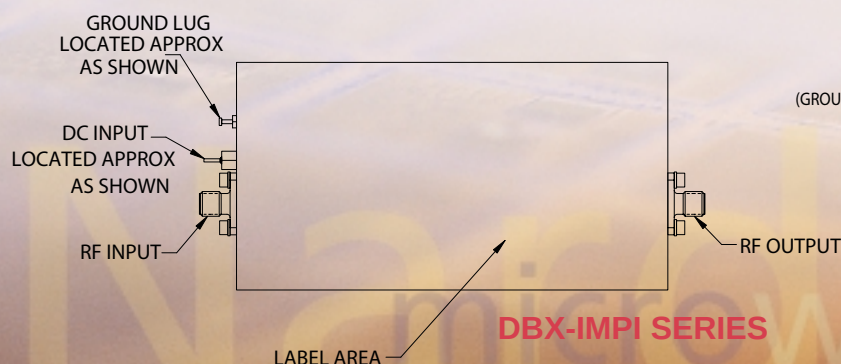
CASE OPTIONS



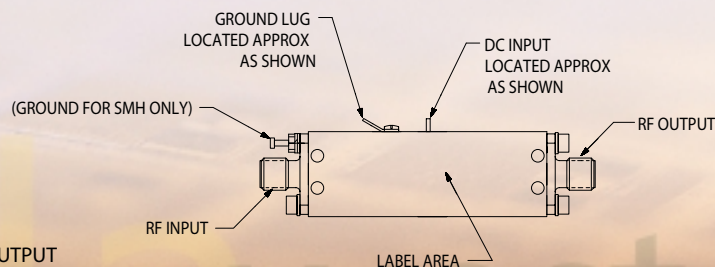
DBX-I SERIES



DBX-P SERIES



DBX-IMPI SERIES



DBX-MH SERIES