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Millimeter Wave Low Noise Amplifiers

18 TO 45 GHz

FEATURES

- MULTIPLE GAIN AND P1dB RANGES
- INTERNAL VOLTAGE REGULATOR INCLUDED
- INPUT VOLTAGE OF +11.5V DC TO +15.5V DC
- SMALL HERMETIC UNITS
- CUSTOM CONFIGURATIONS AND WAVEGUIDE CONNECTORS AVAILABLE



DBK 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 Option	Narda Model Number
18.0-26.5	22	27	1.25	3.2/3.5	10	20	2.2/2.2	200	DBK-4	DBL-1826N310*
18.0-26.5	27	33	1.25	3.2/3.5	10	20	2.2/2.2	300	DBK-4	DBL-1826N410*
18.0-40.0	20	28	2.00	4.5/5.0	6	16	2.5/2.5	350	DBK-6	DBL-1840N506
18.1-18.6	30	35	0.50	2.3/2.5	10	20	2.0/2.0	150	DBK-6	DBS-1819N310
18.1-18.6	30	35	0.50	2.3/2.5	20	30	2.0/2.0	350	DBK-6	DBS-1819N420
20.2-21.2	30	35	1.00	2.1/2.3	10	20	2.0/2.0	225	DBK-6	DBS-2021N410
21.5-22.5	28	33	1.00	2.3/2.5	10	20	2.0/2.0	215	DBK-4	DBS-2122N410
21.5-22.5	25	30	1.00	2.3/2.5	17	27	2.0/2.0	285	DBK-4	DBS-2122N417
21.5-22.5	32	37	1.00	2.3/2.5	20	30	2.0/2.0	425	DBK-6	DBS-2122N620
23.0-24.0	30	35	1.00	2.3/2.5	10	20	2.0/2.0	225	DBK-6	DBS-2324N410
23.6-26.5	28	33	1.25	2.6/2.9	10	20	2.0/2.0	215	DBK-4	DBS-2326N410
23.6-26.5	25	30	1.25	2.6/2.9	17	27	2.0/2.0	285	DBK-4	DBS-2326N417
23.6-26.5	32	37	1.25	2.6/2.9	20	30	2.0/2.0	425	DBK-6	DBS-2326N620
26-31.5**	30	35	1.00	2.3/2.5	10	20	2.0/2.0	235	DBK-6	DBS-2631N410
26.5-40.0	20	25	2.00	4.5/5.0	10	20	2.5/2.5	250	DBK-4	DBL-2640N410
26.5-40.0	25	30	2.00	4.5/5.0	10	20	2.5/2.5	325	DBK-6	DBL-2640N510
26.5-40.0	30	35	2.00	4.5/5.0	10	20	2.5/2.5	400	DBK-6	DBL-2640N610
32.0-38.0**	22	26	1.00	3.5/4.0	10	20	2.0/2.0	275	DBK-4	DBS-3238N410
32.0-38.0**	26	30	1.00	3.5/4.0	10	20	2.0/2.0	325	DBK-6	DBS-3238N510
32.0-38.0**	30	36	1.00	3.5/4.0	10	20	2.0/2.0	375	DBK-6	DBS-3238N610
34.0-35.0	30	35	1.00	2.8/3.0	10	17	2.0/2.0	245	DBK-6	DBS-3435N410
40.5-42.5**	30	35	1.00	3.5/4.0	10	17	2.0/2.0	300	DBK-6	DBS-4042N510
43.0-44.0	30	35	1.25	3.5/4.0	10	17	2.0/2.0	250	DBK-6	DBS-4344N510
44.0-45.0	30	35	1.25	3.5/4.0	10	17	2.0/2.0	250	DBK-6	DBS-4445N510

* Available with coaxial connectors only

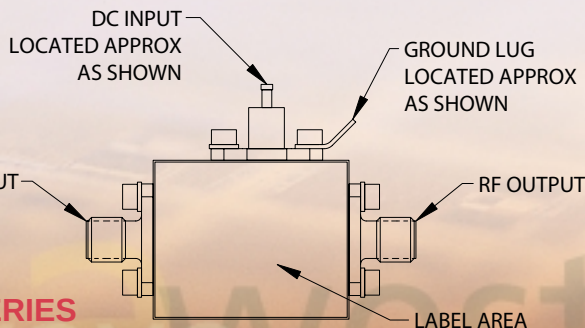
** All specifications are guaranteed over any customer defined 500 MHz Bandwidth

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.

CASE OPTION

DBK SERIES



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microwave-west

an **L3** communications company

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