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Millimeter Wave Medium Power Amplifiers

18 TO 40 GHz, OUTPUT POWERS $\leq +24$ dBm

With Temperature Compensation

FEATURES

- WIDE BANDWIDTH
- MULTIPLE GAIN AND P1dB RANGES
- PERFORMANCE GUARANTEED OVER -54°C TO $+85^{\circ}\text{C}$
- INTERNAL VOLTAGE REGULATOR INCLUDED
- INPUT VOLTAGE OF $+11.5\text{V DC}$ TO $+15.5\text{V DC}$
- SMALL HERMETIC UNITS
- CUSTOM CONFIGURATIONS AND WAVEGUIDE CONNECTORS AVAILABLE



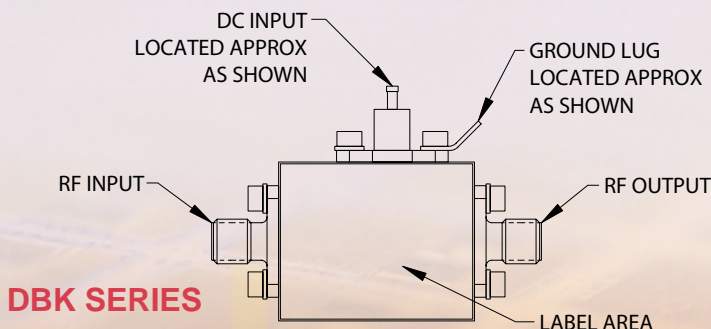
DBK case option shown

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	20	27	2	5.5/6.0	12	22	2.2/2.2	400	DBK-6	DBS-1826T512
18.0-26.5	27	34	2	5.0/5.5	12	22	2.2/2.2	475	DBK-6	DBS-1826T612
18.0-26.5	30	38	2	5.0/5.5	12	22	2.2/2.2	525	DBK-8	DBS-1826T712
18.0-26.5	35	43	2	5.0/5.5	12	22	2.2/2.2	575	DBK-8	DBS-1826T812
18.0-40.0	15	22	2.5	6.5/7.0	7	17	2.5/2.5	450	DBK-6	DBS-1840T607
18.0-40.0	21	28	2.5	6.5/7.0	10	20	2.5/2.5	600	DBK-8	DBS-1840T810
26.5-40.0	20	28	2.5	6.5/7.0	6	16	2.5/2.5	375	DBK-6	DBS-2640T606
26.5-40.0	24	32	2.5	6.5/7.0	6	16	2.5/2.5	450	DBK-8	DBS-2640T706
26.5-40.0	28	36	2.5	6.5/7.0	6	16	2.5/2.5	525	DBK-8	DBS-2640T806

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

Performance guaranteed over -54°C to $+85^{\circ}\text{C}$.

CASE OPTION



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an **L3** communications company

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