

Broadband Low Noise Amplifiers

FEATURES:

- ❖ Coverage From 0.01 to 110.0 GHz (Octave/Multi-octave)
- ❖ Noise Figure As Low As 1.5 dB
- ❖ Wide Dynamic Range
- ❖ Compact/Rugged Thin-Film Construction
- ❖ Economically Priced



DESCRIPTION:

CBL Series

Cernex's CBL series are general purpose amplifiers suitable for a wide range of applications in commercial and military systems where low to high gain block amplifiers are required. CBL series are compact, rugged, and may be designed into commercial and military systems where stringent environments are encountered.

SPECIFICATIONS:

| Model Number | Frequency Range (GHz) | Gain (dB) Min. | SS Flatness (+/-dB) Max. | NF (dB) Max. | P1dB (dBm) Min. | VSWR In/Out Max. | Current @ 12-15 VDC (mA) Typ. | Case Type |
|--------------|-----------------------|----------------|--------------------------|--------------------|-----------------|------------------|-------------------------------|-----------|
| CBLH3183032 | 0.003-18 | 30 | 1.50 | 3.2 Typ @ mid Band | 10 | 2:1 | 210@15V | FK4 |
| CBL1503060 | 0.01-50 | 30 | - | 6.0 **** | 10 Psat Typ | 2.5:1 | 200@12V | FV4 |
| CBLU1011313 | 0.1-1 | 13 | 1.00 | 1.30 ** | 10 | 2.5:1 | 85 | HN4 |
| CBLU1023612 | 0.1-2 | 36 | 1.00 | 1.20 ** | 10 | 2:1 | 150 | HN4 |
| CBLU1033213 | 0.1-3 | 32 | 1.00 | 1.30 ** | 10 | 2:1 | 200 | LN5 |
| CBLU1042615 | 0.1-4 | 26 | 1.25 | 1.50 ** | 10 | 2:1 | 150 | HN4 |
| CBLU1063020 | 0.1-6 | 30 | 1.50 | 2.00 ** | 10 | 2:1 | 175 | HN4 |
| CBLU1083025 | 0.1-8 | 30 | 1.50 | 2.50 ** | 10 | 2.5:1 | 175 | HN3 |
| CBLU1102828 | 0.1-10 | 28 | 1.50 | 2.80 ** | 10 | 2:1 | 175 | HN4 |
| CBLU1122630 | 0.1-12 | 26 | 1.50 | 3.00 ** | 10 | 2:1 | 175 | HN4 ▲ |
| CBLU1142232 | 0.1-14 | 22 | 2.00 | 3.20 ** | 10 | 2.5:1 | 200 | HN4 ▲ |
| CBLU1162134 | 0.1-16 | 21 | 2.00 | 3.40 ** | 10 | 2.5:1 | 200 | HN4 ▲ |
| CBLU1181835 | 0.1-18 | 18 | 2.00 | 3.50 ** | 10 | 2.5:1 | 200 | HN3 ▲ |
| CBLU1183540 | 0.1-18 | 35 | 3.00 | 4.00 ** | 10 | 2.5:1 | 200 | HN5 ▲ |
| CBLU1201838 | 0.1-20 | 18 | 2.50 | 3.80 ** | 10 | 2.5:1 | 175 | HN3 ▲ |
| CBLU1221645 | 0.1-22 | 16 | 2.50 | 4.50 *** | 10 | 2.5:1 | 175 | MK3 |
| CBLU1241645 | 0.1-24 | 16 | 2.50 | 4.50 *** | 10 | 2.5:1 | 175 | MK3 |
| CBLU1261645 | 0.1-26.5 | 16 | 2.50 | 4.50 *** | 10 | 2.5:1 | 175 | MK3 |
| CBLU1281645 | 0.1-28 | 16 | 2.50 | 4.50 *** | 10 | 2.7:1 | 175 | MK2 |
| CBLU1301545 | 0.1-30 | 15 | 2.50 | 4.50 *** | 7 | 3.0:1 | 175 | MK3 |
| CBLU1401450 | 0.1-40 | 14 | 4.00 | 5.00 *** (Typ) | 6 | 3.5:1 | 275 | MK3 |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBLU1402545 | 0.1-40 | 25 | 3.00 | 5(Typ) | 8 | 2:1 | 150 | MK2 |
| CBLU1502565 | 0.1-50 | 25 | 5.00 | 6.5 | 8 | 2.5:1 | 150 | MV2 |
| CBLU1601865 | 0.1-60 | 18 | 5.00 | 6.5(Typ) | 5 | 2.5:1 | 150 | MV2 |
| CBLU1U23611 | 0.12-0.25 | 36 | 1.00 | 1.10 | 10 | 2:1 | 120 | HN3 |
| CBLU2053610 | 0.25-5 | 36 | 1.50 | 1.00 typ. | 10 | 2:1 | 180 | LN5 |
| CBLU3012510 | 0.3-1.4 | 25 | 1.00 | 1.00 | 10 | 2:1 | 100 | HN3 |
| CBLU5012408 | 0.5-1 | 24 | 1.00 | 0.80 | 10 | 2:1 | 100 | HN3 |
| CBLU5021125 | 0.5-2 | 11 | 0.75 | 2.50 | 10 | 2:1 | 100 | HN2 ▲ |
| CBLU5023610 | 0.5-2 | 36 | 1.00 | 1.00 | 10 | 2:1 | 130 | HN4 |
| CBLU5022325 | 0.5-2 | 23 | 1.00 | 2.50 | 12 | 2:1 | 150 | HN3 ▲ |
| CBLU5023230 | 0.5-2 | 32 | 1.25 | 3.00 | 15 | 2:1 | 200 | HN4 ▲ |
| CBLU5023830 | 0.5-2 | 38 | 1.25 | 3.00 | 15 | 2:1 | 240 | HN4 ▲ |
| CBLU5022125 | 0.5-2 | 21 | 1.00 | 2.50 | 18 | 2:1 | 200 | HN3 ▲ |
| CBLU5023425 | 0.5-2 | 34 | 1.00 | 2.50 | 18 | 2:1 | 250 | HN4 ▲ |
| CBLU5022435 | 0.5-2 | 24 | 1.00 | 3.50 | 20 | 2:1 | 240 | HN3 ▲ |
| CBLU5023135 | 0.5-2 | 31 | 1.00 | 3.50 | 20 | 2:1 | 260 | HN3 ▲ |
| CBLU5024035 | 0.5-2 | 40 | 1.25 | 3.50 | 20 | 2:1 | 320 | HN5 ▲ |
| CBLU5042030 | 0.5-4 | 20 | 1.00 | 3.00 | 12 | 2:1 | 120 | HN3 ▲ |
| CBLU5042630 | 0.5-4 | 26 | 1.25 | 3.00 | 12 | 2:1 | 180 | HN3 ▲ |
| CBLU5043030 | 0.5-4 | 30 | 1.50 | 3.00 | 12 | 2:1 | 240 | HN3 ▲ |
| CBLU5042240 | 0.5-4 | 22 | 1.00 | 4.00 | 15 | 2:1 | 180 | HN3 ▲ |
| CBLU5043140 | 0.5-4 | 31 | 1.50 | 4.00 | 18 | 2:1 | 240 | HN4 ▲ |
| CBLU5044040 | 0.5-4 | 40 | 1.5 | 4.00 | 18 | 2:1 | 300 | HN4 ▲ |
| CBLU5062645 | 0.5-6 | 26 | 1.50 | 4.50 | 12 | 2:1 | 225 | HN3 ▲ |
| CBLU5064145 | 0.5-6 | 41 | 2.00 | 4.50 | 20 | 2:1 | 400 | HN5 ▲ |
| CBLU5062745 | 0.5-6 | 27 | 1.50 | 4.50 | 20 | 2:1 | 300 | HN4 ▲ |
| CBLU5064145 | 0.5-6 | 41 | 2.00 | 4.50 | 15 | 2:1 | 330 | HN4 ▲ |
| CBLU5082550 | 0.5-8 | 25 | 1.75 | 5.00 | 12 | 2.5:1 | 225 | HN3 ▲ |
| CBLU5083750 | 0.5-8 | 37 | 2.00 | 5.00 | 12 | 2.5:1 | 330 | HN4 ▲ |
| CBLU5082450 | 0.5-8 | 24 | 1.75 | 5.00 | 15 | 2.5:1 | 225 | HN3 ▲ |
| CBLU5083950 | 0.5-8 | 39 | 2.00 | 5.00 | 15 | 2.5:1 | 330 | HN4 ▲ |
| CBLU5122050 | 0.5-12 | 20 | 2.00 | 5.00 | 12 | 2.5:1 | 225 | HN3 ▲ |
| CBLU5123050 | 0.5-12 | 30 | 2.25 | 5.00 | 12 | 2.5:1 | 330 | HN4 ▲ |
| CBLU5124050 | 0.5-12 | 40 | 2.50 | 5.00 | 12 | 2.5:1 | 450 | HN4 ▲ |
| CBLU5122150 | 0.5-12 | 21 | 2.00 | 5.00 | 15 | 2.5:1 | 225 | HN3 ▲ |
| CBLU5123150 | 0.5-12 | 31 | 2.25 | 5.00 | 15 | 2.5:1 | 330 | HN4 ▲ |
| CBLU5124150 | 0.5-12 | 41 | 2.25 | 5.00 | 15 | 2.5:1 | 450 | HN4 ▲ |
| CBLU5184540 | 0.5-18 | 45 | 2.50 | 4.00 | 8 | 2.5:1 | 250 | LN4 ▲ |
| CBLU5181550 | 0.5-18 | 15 | 2.75 | 5.00 | 10 | 2.5:1 | 150 | HN3 ▲ |
| CBLU5183530 | 0.5-18 | 35 | 2.75 | 3.00 | 10 | 2.5:1 | 225 | HN5 ▲ |
| CBLU5182060 | 0.5-18 | 20 | 3.25 | 6.00 | 12 | 2.5:1 | 310 | HN3 ▲ |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBLU5182560 | 0.5-18 | 25 | 3.75 | 6.00 | 12 | 2.5:1 | 370 | HN4 ▲ |
| CBLU5183060 | 0.5-18 | 30 | 3.75 | 6.00 | 12 | 2.5:1 | 430 | HN4 ▲ |
| CBL01022616 | 1-2 | 26 | 1.00 | 1.60 | 10 | 2.0:1 | 100 | HN3 ▲ |
| CBL01023407 | 1-2 | 34 | 1.00 | 0.70 | 10 | 2.0:1 | 130 | HN4 |
| CBL01023805 | 1-2 | 38 | 1.00 | 0.50 | 10 | 2:1 | 150 | HN4 ▲ |
| CBL01022420 | 1-2 | 24 | 1.00 | 2.00 | 12 | 2.0:1 | 150 | HN3 ▲ |
| CBL01023225 | 1-2 | 32 | 1.00 | 2.50 | 12 | 2.0:1 | 180 | HN4 ▲ |
| CBL01024030 | 1-2 | 42 | 1.25 | 3.00 | 12 | 2.0:1 | 240 | HN5 ▲ |
| CBL01022825 | 1-2 | 28 | 1.00 | 2.50 | 18 | 2.0:1 | 250 | HN4 ▲ |
| CBL01024130 | 1-2 | 41 | 1.25 | 3.00 | 18 | 2.0:1 | 350 | HN5 ▲ |
| CBL01032811 | 1-3 | 28 | 1.50 | 1.1 | 8 | 2.5:1 | 150 | HN4 |
| CBL01042613 | 1-4 | 26 | 1.75 | 1.3 | 8 | 2.5:1 | 175 | HN4 |
| CBL01183825A | 1-18 | 38-43 | 2.5 | 2.5 | 20 | 2.5:1 | 300 | * |
| CBL01263345 | 1-26 | 33 | 2.5 Typ | 4.5Δ | 10 | 2:1 Typ | 180 | MK3 |
| CBL01401550 | 1-40 | 15 | 3.00 | 5.00 | 8 | 2.2:1 | 200 | MK2 |
| CBL01401570 | 1-40 | 15 | 3.00 | 7.00 | 8 | 2.25:1 | 200 | MK3 |
| CBL01402570 | 1-40 | 25 | 5.00 | 7.00 | 8 | 2.25:1 | 325 | Mk3 |
| CBL01403070 | 1-40 | 30 | 6.00 | 7.00 | 8 | 2.25:1 | 400 | MK4 |
| CBL01403060 | 1-40 | 30 | 5.00 | 6.00 | 10 | 2.25:1 | 350 | MK4 |
| CBL01022310 | 1.2-2.4 | 23 | 1.00 | 1.0 | 8 | 2.0:1 | 100 | HN2 |
| CBL02042618 | 2-4 | 26 | 1.00 | 1.80 | 10 | 2:1 | 100 | HN4 ▲ |
| CBL02042810 | 2-4 | 28 | 1.00 | 1.0 | 10 | 2:1 | 125 | HN3 |
| CBL02043206 | 2-4 | 32 | 1.00 | 0.60 | 10 | 2:1 | 125 | HN4 ▲ |
| CBL02042420 | 2-4 | 24 | 1.00 | 2.00 | 12 | 2:1 | 180 | HN4 ▲ |
| CBL02043020 | 2-4 | 30 | 1.25 | 2.00 | 12 | 2:1 | 240 | HN3 ▲ |
| CBL02044020 | 2-4 | 40 | 1.25 | 2.00 | 15 | 2:1 | 300 | HN4 ▲ |
| CBL02042325 | 2-4 | 23 | 1.00 | 2.50 | 18 | 2:1 | 240 | HN4 ▲ |
| CBL02042925 | 2-4 | 29 | 1.25 | 2.50 | 18 | 2:1 | 300 | HN4 ▲ |
| CBL02062616 | 2-6 | 26 | 1.00 | 1.60 | 10 | 2.0:1 | 125 | HN3 |
| CBL02062430 | 2-6 | 24 | 1.00 | 3.00 | 12 | 2:1 | 160 | HN3 ▲ |
| CBL02063030 | 2-6 | 30 | 1.50 | 3.00 | 12 | 2:1 | 220 | HN3 |
| CBL02064030 | 2-6 | 40 | 2.00 | 3.00 | 12 | 2:1 | 300 | HN4 |
| CBL02062335 | 2-6 | 23 | 1.00 | 3.50 | 18 | 2:1 | 200 | HN3 ▲ |
| CBL02062935 | 2-6 | 29 | 1.50 | 3.50 | 18 | 2:1 | 250 | HN4 ▲ |
| CBL02063935 | 2-6 | 39 | 2.00 | 3.50 | 18 | 2:1 | 360 | HN5 ▲ |
| CBL02081425 | 2-8 | 14 | 1.50 | 2.50 | 10 | 2:1 | 70 | HN2 ▲ |
| CBL02083020 | 2-8 | 30 | 1.50 | 2.00 | 10 | 2:1 | 175 | HN3 |
| CBL02082235 | 2-8 | 22 | 1.00 | 3.50 | 12 | 2:1 | 180 | HN3 ▲ |
| CBL02083035 | 2-8 | 30 | 1.50 | 3.50 | 12 | 2:1 | 240 | HN4 ▲ |
| CBL02084035 | 2-8 | 40 | 2.00 | 3.50 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL02082425 | 2-8 | 24 | 1.50 | 2.50 | 15 | 2:1 | 150 | HN3 ▲ |
| CBL02083025 | 2-8 | 30 | 1.50 | 2.50 | 15 | 2:1 | 200 | HN4 ▲ |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBL02084225 | 2-8 | 42 | 1.50 | 2.50 | 15 | 2:1 | 300 | HN4 ▲ |
| CBL02082140 | 2-8 | 21 | 1.00 | 4.00 | 18 | 2:1 | 250 | HN3 ▲ |
| CBL02082525 | 2-8 | 25 | 1/50 | 2.50 | 18 | 2:1 | 175 | HN3 ▲ |
| CBL02082940 | 2-8 | 29 | 2.00 | 4.00 | 18 | 2:1 | 300 | HN4 ▲ |
| CBL02083940 | 2-8 | 39 | 2.00 | 4.00 | 18 | 2:1 | 360 | HN5 ▲ |
| CBL02083230 | 2-8 | 32 | 1.50 | 3.00 | 20 | 2:1 | 300 | HN4 ▲ |
| CBL02084230 | 2-8 | 42 | 1.50 | 3.00 | 20 | 2:1 | 350 | HN4 ▲ |
| CBL02084530 | 2-8 | 45 | 1.50 | 3.00 | 20 | 2:1 | 400 | HN5 ▲ |
| CBL02102045 | 2-10 | 20 | 2.00 | 4.50 | 12 | 2:1 | 200 | HN3 ▲ |
| CBL02103045 | 2-10 | 30 | 2.50 | 4.50 | 12 | 2:1 | 300 | HN4 ▲ |
| CBL02102047 | 2-10 | 20 | 2.00 | 4.75 | 18 | 2:1 | 250 | HN3 ▲ |
| CBL02103047 | 2-10 | 30 | 2.50 | 4.75 | 18 | 2:1 | 350 | HN4 ▲ |
| CBL02121950 | 2-12 | 19 | 2.00 | 5.00 | 12 | 2:1 | 200 | HN3 ▲ |
| CBL02122750 | 2-12 | 27 | 2.00 | 5.00 | 12 | 2:1 | 300 | HN4 ▲ |
| CBL02123650 | 2-12 | 36 | 2.50 | 5.00 | 12 | 2:1 | 375 | HN5 ▲ |
| CBL02121855 | 2-12 | 18 | 2.50 | 5.50 | 18 | 2:1 | 250 | HN3 ▲ |
| CBL02122655 | 2-12 | 26 | 2.50 | 5.50 | 18 | 2:1 | 350 | HN4 ▲ |
| CBL02123555 | 2-12 | 35 | 2.50 | 5.50 | 18 | 2:1 | 400 | HN5 ▲ |
| CBL02180745 | 2-18 | 7 | 1.50 | 4.50 | 8 | 2.2:1 | 65 | HN2 ▲ |
| CBL02182235 | 2-18 | 22 | 2.00 | 3.50 | 8 | 2.2:1 | 160 | HN3 ▲ |
| CBL02183235 | 2-18 | 32 | 2.00 | 3.50 | 8 | 2.2:1 | 200 | HN4 ▲ |
| CBL02181445 | 2-18 | 14 | 1.50 | 4.50 | 9 | 2.2:1 | 100 | HN3 ▲ |
| CBL02182035 | 2-18 | 20 | 2.50 | 3.50 | 10 | 2.5:1 | 100 | HN3 |
| CBL02181860 | 2-18 | 18 | 2.50 | 6.00 | 12 | 2.3:1 | 200 | HN3 ▲ |
| CBL02182460 | 2-18 | 24 | 3.00 | 6.00 | 12 | 2.3:1 | 300 | MSA3 |
| CBL02183060 | 2-18 | 30 | 3.50 | 6.00 | 12 | 2.3:1 | 350 | HN4 ▲ |
| CBL02183560 | 2-18 | 35 | 3.75 | 6.00 | 12 | 2.3:1 | 400 | HN4 ▲ |
| CBL02181760 | 2-18 | 17 | 2.75 | 6.00 | 15 | 2.3:1 | 275 | HN3 ▲ |
| CBL02182360 | 2-18 | 23 | 3.25 | 6.00 | 15 | 2.3:1 | 325 | HN3 ▲ |
| CBL02182960 | 2-18 | 29 | 3.75 | 6.00 | 15 | 2.3:1 | 375 | HN4 ▲ |
| CBL02183145 | 2-18 | 31 | 2.00 | 4.50 | 15 | 2.2:1 | 325 | HN4 ▲ |
| CBL02182045 | 2-18 | 20 | 2.00 | 4.50 | 18 | 2.2:1 | 350 | HN3 ▲ |
| CBL02202542 | 2-20 | 25 | 2.50 | 4.20 | 10 | 2:1/2.5:1 Typ | 150@12V | MSA3 |
| CBL02202070 | 2-20 | 20 | 2.50 | 7.00 | 12 | 2:1 | 275 | HN3 ▲ |
| CBL02202570 | 2-20 | 25 | 2.75 | 7.00 | 12 | 2:1 | 350 | HN4 ▲ |
| CBL02203070 | 2-20 | 30 | 3.00 | 7.00 | 12 | 2:1 | 425 | HN4 ▲ |
| CBL02203570 | 2-20 | 35 | 3.25 | 7.00 | 12 | 2:1 | 500 | HN6 ▲ |
| CBL02261590 | 2-26.5 | 15 | 2.50 | 9.00 | 12 | 2:1 | 275 | HN3 ▲ |
| CBL02262260 | 2-26.5 | 22 | 3.00 | 6.00 | 12 | 2:1 | 150 | HN3 ▲ |
| CBL02262290 | 2-26.5 | 22 | 3.00 | 9.00 | 12 | 2:1 | 400 | HN3 ▲ |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBL02262960 | 2-26.5 | 29 | 3.50 | 6.00 | 12 | 2:1 | 500 | HN4 ▲ |
| CBL02401570 | 2-40 | 15 | 4.0 | 7.00 | 8 | 2.5:1 | 200 | MK3 |
| CBL02402070 | 2-40 | 20 | 5.0 | 7.00 | 8 | 2.5:1 | 300 | MK3 |
| CBL02403050 | 2-40 | 30 | 5.0 | 5.00 | 10 | 2.25:1 | 350 | MK4 |
| CBL02403060 | 2-40 | 30 | 5.0 | 6.00 | 10 | 2.25:1 | 350 | MK4 |
| CBL02502011 | 2-50 | 20 | 3.50 | 11.00 | 10 | 2.5:1 | 300 | MK3 |
| CBL02053215 | 2.6-5.2 | 32 | 1.25 | 1.5 | 10 | 2:1 | 150 | HN3 |
| CBL03142040 | 3.7-14.5 | 20 | 2.00 | 4.00 | 12 | 2:1 | 150 | HN3 ▲ |
| CBL03143040 | 3.7-14.5 | 30 | 2.50 | 4.00 | 12 | 2:1 | 225 | HN4 ▲ |
| CBL03144040 | 3.7-14.5 | 40 | 3.00 | 4.00 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL03141940 | 3.7-14.5 | 19 | 2.00 | 4.00 | 18 | 2:1 | 150 | HN3 ▲ |
| CBL03141940 | 3.7-14.5 | 29 | 2.50 | 4.00 | 18 | 2:1 | 225 | HN4 ▲ |
| CBL03143940 | 3.7-14.5 | 39 | 3.00 | 4.00 | 18 | 2:1 | 300 | HN5 ▲ |
| CBL04082115 | 4-8 | 21 | 1.50 | 1.50 | 8 | 2.2:1 | 110 | HN3 ▲ |
| CBL04083412 | 4-8 | 34 | 1.00 | 1.2 | 10 | 2:1 | 175 | HN3 |
| CBL04083708 | 4-8 | 37 | 1.00 | 0.80 | 10 | 2:1 | 125 | HN4 ▲ |
| CBL04082430 | 4-8 | 24 | 1.00 | 3.00 | 12 | 2:1 | 180 | HN3 ▲ |
| CBL04083230 | 4-8 | 32 | 1.50 | 3.00 | 12 | 2:1 | 240 | HN4 ▲ |
| CBL04084030 | 4-8 | 40 | 1.50 | 3.00 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL04082915 | 4-8 | 29 | 1.50 | 1.50 | 15 | 2.2:1 | 180 | HN3 ▲ |
| CBL04082330 | 4-8 | 23 | 1.00 | 3.00 | 18 | 2:1 | 250 | HN3 ▲ |
| CBL04083025 | 4-8 | 30 | 1.50 | 2.50 | 18 | 2:1 | 230 | HN4 ▲ |
| CBL04083130 | 4-8 | 31 | 1.50 | 3.00 | 18 | 2:1 | 300 | HN4 ▲ |
| CBL04083930 | 4-8 | 39 | 1.50 | 3.00 | 18 | 2:1 | 350 | HN5 ▲ |
| CBL04101025 | 4-10.5 | 10 | 1.50 | 2.50 | 8 | 2:1 | 75 | HN2 ▲ |
| CBL04101925 | 4-10.5 | 19 | 1.50 | 2.50 | 10 | 2:1 | 140 | HN3 ▲ |
| CBL04102340 | 4-10.5 | 23 | 1.25 | 4.00 | 12 | 2:1 | 250 | HN3 ▲ |
| CBL04103440 | 4-10.5 | 34 | 1.50 | 4.00 | 12 | 2:1 | 320 | HN4 ▲ |
| CBL04102825 | 4-10.5 | 28 | 1.50 | 2.50 | 13 | 2:1 | 200 | HN4 ▲ |
| CBL04104325 | 4-10.5 | 43 | 1.50 | 2.50 | 15 | 2:1 | 300 | HN5 ▲ |
| CBL04102240 | 4-10.5 | 22 | 1.25 | 4.00 | 18 | 2:1 | 300 | HN3 ▲ |
| CBL04103340 | 4-10.5 | 33 | 1.50 | 4.00 | 18 | 2:1 | 420 | HN4 ▲ |
| CBL04122225 | 4-12 | 22 | 1.00 | 2.50 | 10 | 2:1 | 175 | MSA6 |
| CBL04122240 | 4-12 | 22 | 1.50 | 4.00 | 12 | 2:1 | 150 | HN3 ▲ |
| CBL04123340 | 4-12 | 33 | 2.00 | 4.00 | 12 | 2:1 | 225 | HN4 ▲ |
| CBL04124440 | 4-12 | 44 | 2.50 | 4.00 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL04122140 | 4-12 | 21 | 1.50 | 4.00 | 18 | 2:1 | 150 | HN3 ▲ |
| CBL04123240 | 4-12 | 32 | 2.00 | 4.00 | 18 | 2:1 | 225 | HN4 ▲ |
| CBL04124340 | 4-12 | 43 | 2.50 | 4.00 | 18 | 2:1 | 300 | HN5 ▲ |
| CBL04182050 | 4-18 | 20 | 3.50 | 5.00 | 10 | 2.5:1 | 185 | HN4 ▲ |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBL05102718 | 5-10 | 27 | 1.25 | 1.8 | 10 | 2:1 | 150 | HN3 |
| CBL05131025 | 5-13 | 10 | 1.50 | 2.50 | 10 | 2:1 | 75 | HN2 ▲ |
| CBL05132025 | 5-13 | 20 | 1.50 | 2.50 | 15 | 2:1 | 140 | HN3 ▲ |
| CBL05133225 | 5-13 | 32 | 1.50 | 2.50 | 15 | 2:1 | 180 | HN4 ▲ |
| CBL05132135 | 5-13 | 21 | 1.50 | 3.50 | 17 | 2:1 | 140 | HN3 ▲ |
| CBL05133135 | 5-13 | 31 | 1.50 | 3.50 | 19 | 2:1 | 290 | HN4 ▲ |
| CBL05134335 | 5-13 | 43 | 1.50 | 3.50 | 19 | 2:1 | 320 | HN5 ▲ |
| CBL05135235 | 5-13 | 52 | 1.50 | 3.50 | 19 | 2:1 | 380 | HN6 ▲ |
| CBL05152040 | 5-15 | 20 | 1.50 | 4.00 | 12 | 2:1 | 150 | HN3 ▲ |
| CBL05153040 | 5-15 | 30 | 2.00 | 4.00 | 12 | 2:1 | 225 | HN4 ▲ |
| CBL05154040 | 5-15 | 40 | 2.50 | 4.00 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL05151940 | 5-15 | 19 | 1.50 | 4.00 | 18 | 2:1 | 150 | HN3▲ |
| CBL05152940 | 5-15 | 29 | 2.00 | 4.00 | 18 | 2:1 | 225 | HN4 ▲ |
| CBL05153940 | 5-15 | 39 | 2.50 | 4.00 | 18 | 2:1 | 300 | HN5 ▲ |
| CBL06113012 | 6-11 | 30 | 1.00 | 1.2 | 5 | 2.3:1/2:1 | 90 | MSA3 |
| CBL06121025 | 6-12 | 10 | 1.00 | 2.50 | 8 | 2:1 | 75 | HN2 ▲ |
| CBL06122125 | 6-12 | 21 | 1.50 | 2.50 | 10 | 2:1 | 150 | HN3 ▲ |
| CBL06122219 | 6-12 | 22 | 1.00 | 1.9 | 10 | 2:1 | 175 | HN3 |
| CBL06122925 | 6-12 | 29 | 1.50 | 2.50 | 10 | 2:1 | 175 | HN4 ▲ |
| CBL06124025 | 6-12 | 40 | 1.50 | 2.50 | 10 | 2:1 | 225 | HN5 ▲ |
| CBL06125025 | 6-12 | 50 | 1.50 | 2.50 | 10 | 2:1 | 275 | HN6 ▲ |
| CBL06122035 | 6-12 | 20 | 1.50 | 3.5 | 12 | 2:1 | 150 | HN3 ▲ |
| CBL06122835 | 6-12 | 28 | 1.25 | 3.5 | 12 | 2:1 | 200 | HN4 ▲ |
| CBL06123835 | 6-12 | 38 | 1.50 | 3.5 | 12 | 2:1 | 270 | HN5 ▲ |
| CBL06121935 | 6-12 | 19 | 1.00 | 3.5 | 18 | 2:1 | 200 | HN3 ▲ |
| CBL06122735 | 6-12 | 27 | 1.25 | 3.5 | 18 | 2:1 | 270 | HN4 ▲ |
| CBL06123735 | 6-12 | 37 | 1.50 | 3.5 | 18 | 2:1 | 340 | HN5 ▲ |
| CBL06181023 | 6-18 | 10 | 1.50 | 2.30 | 8 | 2:1 | 80 | HN3 ▲ |
| CBL06182025 | 6-18 | 20 | 1.50 | 2.50 | 8 | 2:1 | 150 | HN3 ▲ |
| CBL06182527 | 6-18 | 25 | 1.50 | 2.70 | 8 | 2:1 | 190 | HN4 ▲ |
| CBL06182030 | 6-18 | 20 | 2.00 | 3.00 | 10 | 2.5:1 | 175 | HN3 |
| CBL06181840 | 6-18 | 18 | 1.00 | 4.00 | 12 | 2:1 | 150 | HN3 ▲ |
| CBL06182740 | 6-18 | 27 | 2.00 | 4.00 | 12 | 2:1 | 220 | HN4 ▲ |
| CBL06183640 | 6-18 | 36 | 2.50 | 4.00 | 12 | 2:1 | 250 | HN5 ▲ |
| CBL06184040 | 6-18 | 40 | 3.00 | 4.00 | 12 | 2:1 | 320 | HN5 ▲ |
| CBL06181430 | 6-18 | 14 | 1.50 | 3.00 | 13 | 2:1 | 140 | HN3 ▲ |
| CBL06182030 | 6-18 | 20 | 1.50 | 3.00 | 13 | 2:1 | 200 | HN3 ▲ |
| CBL06182525 | 6-18 | 25 | 1.50 | 2.50 | 13 | 2:1 | 190 | HN4 ▲ |
| CBL06183525 | 6-18 | 35 | 2.00 | 2.50 | 13 | 2:1/2.5:1 Typ | 220@12V | MSA3 |
| CBL06182630 | 6-18 | 26 | 1.50 | 3.00 | 15 | 2:1 | 260 | HN4 ▲ |
| CBL06182825 | 6-18 | 28 | 1.50 | 2.50 | 15 | 2:1 | 200 | HN4 ▲ |
| CBL06183225 | 6-18 | 32 | 1.50 | 2.50 | 15 | 2:1 | 275 | HN5 ▲ |



Broadband Low Noise Amplifiers

| Model Number | Frequency Range (GHz) | Gain (dB) Min. | SS Flatness (+/-dB) Max. | NF (dB) Max. | P1dB (dBm) Min. | VSWR In/Out Max. | Current @ 12-15 VDC (mA) Typ. | Case Type |
|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBL06183230 | 6-18 | 32 | 1.50 | 3.00 | 15 | 2:1 | 320 | HN5 ▲ |
| CBL06183825 | 6-18 | 38 | 1.50 | 2.50 | 15 | 2:1 | 350 | HN5 ▲ |
| CBL06183830 | 6-18 | 38 | 1.50 | 3.00 | 15 | 2:1 | 440 | HN5 ▲ |
| CBL06184425 | 6-18 | 44 | 1.50 | 2.50 | 15 | 2:1 | 420 | HN6 ▲ |
| CBL06184430 | 6-18 | 44 | 1.50 | 3.00 | 15 | 2:1 | 500 | HN6 ▲ |
| CBL06185030 | 6-18 | 50 | 1.50 | 3.00 | 15 | 2:1 | 350 | HN6 ▲ |
| CBL06183525 | 6-18 | 35 | 1.50 | 2.50 | 17 | 2:1 | 375 | HN5 ▲ |
| CBL06183730 | 6-18 | 37 | 1.50 | 3.00 | 17 | 2:1 | 295 | HN5 ▲ |
| CBL06181740 | 6-18 | 17 | 1.50 | 4.00 | 18 | 2:1 | 220 | HN3 ▲ |
| CBL06182640 | 6-18 | 26 | 2.00 | 4.00 | 18 | 2:1 | 290 | HN4 ▲ |
| CBL06183540 | 6-18 | 35 | 2.50 | 4.00 | 18 | 2:1 | 330 | HN5 ▲ |
| CBL06183940 | 6-18 | 39 | 3.00 | 4.00 | 18 | 2:1 | 400 | HN5 ▲ |
| CBL06201650 | 6-20 | 16 | 2:00 | 5.00 | 12 | 2:1 | 200 | HN3 ▲ |
| CBL06202350 | 6-20 | 23 | 2.00 | 5.00 | 12 | 2:1 | 250 | HN4 ▲ |
| CBL06203150 | 6-20 | 31 | 3.00 | 5.00 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL06201550 | 6-20 | 15 | 2.00 | 5.00 | 17 | 2:1 | 235 | HN3 ▲ |
| CBL06202250 | 6-20 | 22 | 2.50 | 5.00 | 17 | 2:1 | 170 | HN4 ▲ |
| CBL06203050 | 6-20 | 30 | 3.00 | 5.00 | 17 | 2:1 | 170 | HN5 ▲ |
| CBL07121025 | 7-12.4 | 10 | 1.00 | 2.50 | 9 | 2:1 | 75 | HN2 ▲ |
| CBL07121825 | 7-12.4 | 18 | 1.50 | 2.50 | 15 | 2:1 | 125 | MSA3 |
| CBL07122825 | 7-12.4 | 28 | 1.50 | 2.50 | 15 | 2:1 | 190 | HN4 ▲ |
| CBL07123825 | 7-12.4 | 38 | 1.50 | 2.50 | 15 | 2:1 | 315 | HN5 ▲ |
| CBL07124725 | 7-12.4 | 47 | 1.50 | 2.50 | 15 | 2:1 | 380 | HN6 ▲ |
| CBL07122230 | 7-12.4 | 22 | 1.50 | 3.00 | 20 | 2:1 | 260 | HN3 ▲ |
| CBL07123230 | 7-12.4 | 32 | 1.50 | 3.00 | 20 | 2:1 | 310 | HN4 ▲ |
| CBL07123630 | 7-12.4 | 36 | 1.50 | 3.00 | 20 | 2:1 | 350 | HN5 ▲ |
| CBL08122225 | 8-12 | 22 | 1.00 | 2.5 | 10 | 2:1 | 100 | HN3 ▲ |
| CBL08123015 | 8-12 | 30 | 1.25 | 1.5 | 10 | 2:1 | 150 | HN3 |
| CBL08123210 | 8-12 | 32 | 1.00 | 1.00 | 10 | 2:1 | 125 | HN4 ▲ |
| CBL08122035 | 8-12 | 20 | 1.00 | 3.5 | 12 | 2:1 | 150 | MSA3 |
| CBL08122835 | 8-12 | 28 | 1.25 | 3.5 | 12 | 2:1 | 200 | HN4 ▲ |
| CBL08123635 | 8-12 | 36 | 1.50 | 3.5 | 12 | 2:1 | 250 | HN5 ▲ |
| CBL08124235 | 8-12 | 42 | 1.75 | 3.5 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL08121935 | 8-12 | 19 | 1.00 | 3.5 | 18 | 2:1 | 200 | MSA3 |
| CBL08122735 | 8-12 | 27 | 1.25 | 3.5 | 18 | 2:1 | 250 | HN4 ▲ |
| CBL08123535 | 8-12 | 35 | 1.50 | 3.5 | 18 | 2:1 | 320 | HN5 ▲ |
| CBL08124135 | 8-12 | 41 | 1.75 | 3.50 | 18 | 2:1 | 390 | HN5 ▲ |
| CBL08162825 | 8-16 | 28 | 1.50 | 2.5 | 14 | 2:1 | 175 | MSA4 |
| CBL08182028 | 8-18 | 20 | 1.50 | 2.80 | 10 | 2:1 | 150 | HN3 |
| CBL08183622 | 8-18 | 36 | 2.00 | 2.20 | 10 | 2:1 | 200 | HN5 ▲ |
| CBL08181940 | 8-18 | 19 | 1.50 | 4.00 | 12 | 2:1 | 150 | MSA3 |



Broadband Low Noise Amplifiers

| Model Number | Frequency Range (GHz) | Gain (dB) Min. | SS Flatness (+/-dB) Max. | NF (dB) Max. | P1dB (dBm) Min. | VSWR In/Out Max. | Current @ 12-15 VDC (mA) Typ. | Case Type |
|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBL08182840 | 8-18 | 28 | 1.75 | 4.00 | 12 | 2:1 | 200 | HN4 ▲ |
| CBL08183740 | 8-18 | 37 | 2.00 | 4.00 | 12 | 2:1 | 250 | HN5 ▲ |
| CBL08184140 | 8-18 | 41 | 2.25 | 4.00 | 12 | 2:1 | 330 | HN5 ▲ |
| CBL08181840 | 8-18 | 18 | 1.50 | 4.00 | 18 | 2:1 | 220 | MSA4 |
| CBL08182740 | 8-18 | 27 | 1.75 | 4.00 | 18 | 2:1 | 290 | HN4 ▲ |
| CBL08183640 | 8-18 | 36 | 2.00 | 4.00 | 18 | 2:1 | 330 | HN5 ▲ |
| CBL08184040 | 8-18 | 40 | 2.25 | 4.00 | 18 | 2:1 | 400 | HN5 ▲ |
| CBL09142527 | 9.9-14.1 | 25 | 3.00 | 2.70 | 24 | 2.0:1 | 250 | HN5 |
| CBL10201745 | 10-20 | 17 | 1.25 | 4.50 | 12 | 2:1 | 150 | HN3 ▲ |
| CBL10202245 | 10-20 | 22 | 1.50 | 4.50 | 12 | 2:1 | 200 | HN4 ▲ |
| CBL10203545 | 10-20 | 35 | 2.00 | 4.50 | 12 | 2:1 | 250 | MSA5 |
| CBL10203945 | 10-20 | 39 | 2.00 | 4.50 | 12 | 2:1 | 300 | MSA5 |
| CBL10201645 | 10-20 | 16 | 1.50 | 4.50 | 18 | 2:1 | 260 | HN3 ▲ |
| CBL10202545 | 10-20 | 25 | 2.00 | 4.50 | 18 | 2:1 | 340 | HN4 ▲ |
| CBL10203445 | 10-20 | 34 | 2.00 | 4.50 | 18 | 2:1 | 420 | HN5 ▲ |
| CBL10203845 | 10-20 | 38 | 2.25 | 4.50 | 18 | 2:1 | 500 | HN5 ▲ |
| CBL12181635 | 12-18 | 16 | 1.00 | 3.50 | 10 | 2:1 | 100 | HN3 ▲ |
| CBL12182420 | 12-18 | 24 | 1.50 | 2.0 | 10 | 2:1 | 120 | HN3 |
| CBL12183618 | 12-18 | 36 | 1.50 | 1.80 | 10 | 2:1 | 150 | HN5 ▲ |
| CBL12182040 | 12-18 | 20 | 1.00 | 4.00 | 12 | 2:1 | 150 | HN3 ▲ |
| CBL12182940 | 12-18 | 29 | 1.25 | 4.00 | 12 | 2:1 | 200 | HN4 ▲ |
| CBL12183840 | 12-18 | 38 | 1.50 | 4.00 | 12 | 2:1 | 250 | HN4 ▲ |
| CBL12184240 | 12-18 | 42 | 1.75 | 4.00 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL12181528 | 12-18 | 15 | 1.00 | 2.80 | 13 | 2:1 | 140 | MSA3 |
| CBL12182028 | 12-18 | 20 | 1.00 | 2.80 | 13 | 2:1 | 190 | HN3 ▲ |
| CBL12182628 | 12-18 | 26 | 1.00 | 2.80 | 15 | 2:1 | 260 | HN4 ▲ |
| CBL12183228 | 12-18 | 32 | 1.00 | 2.80 | 15 | 2:1 | 310 | HN5 ▲ |
| CBL12183828 | 12-18 | 38 | 1.00 | 2.80 | 15 | 2:1 | 360 | HN5 ▲ |
| CBL12184428 | 12-18 | 44 | 1.00 | 2.80 | 15 | 2:1 | 410 | HN6 ▲ |
| CBL12181940 | 12-18 | 19 | 1.25 | 4.00 | 18 | 2:1 | 250 | MSA4 |
| CBL12182840 | 12-18 | 28 | 1.50 | 4.00 | 18 | 2:1 | 300 | HN4 ▲ |
| CBL12183740 | 12-18 | 37 | 1.75 | 4.00 | 18 | 2:1 | 350 | HN4 ▲ |
| CBL12201845 | 12-20 | 18 | 1.25 | 4.50 | 12 | 2:1 | 150 | MSA3 |
| CBL12202445 | 12-20 | 24 | 1.50 | 4.50 | 12 | 2:1 | 200 | HN4 ▲ |
| CBL12203045 | 12-20 | 30 | 1.75 | 4.50 | 12 | 2:1 | 250 | HN4 ▲ |
| CBL12203645 | 12-20 | 36 | 2.00 | 4.50 | 12 | 2:1 | 300 | HN5 ▲ |
| CBL12202345 | 12-20 | 23 | 1.50 | 4.50 | 18 | 2:1 | 260 | MSA6 |
| CBL12202945 | 12-20 | 29 | 1.75 | 4.50 | 18 | 2:1 | 340 | HN4 ▲ |
| CBL12203545 | 12-20 | 35 | 2.00 | 4.50 | 18 | 2:1 | 420 | HN5 ▲ |
| CBL12204045 | 12-20 | 40 | 2.25 | 4.50 | 18 | 2:1 | 500 | HN5 ▲ |



Broadband Low Noise Amplifiers

| Model Number | Frequency Range (GHz) | Gain (dB) Min. | SS Flatness (+/-dB) Max. | NF (dB) Max. | P1dB (dBm) Min. | VSWR In/Out Max. | Current @ 12-15 VDC (mA) Typ. | Case Type |
|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBL18262027 | 18-26.5 | 20 Typ | 1.50 | 2.70 | 7 | 2.5:1 | 80@12V | MSA3 |
| CBL18261850 | 18-26.5 | 18 | 1.00 | 5.00 | 10 | 2:1 | 200 | MSA3 |
| CBL18262235 | 18-26.5 | 22 | 1.25 | 3.50 | 10 | 2:1 | 200 | MSA3 |
| CBL18262735 | 18-26.5 | 27 | 1.25 | 3.50 | 10 | 2:1 | 300 | MSA3 |
| CBL18263028 | 18-26.5 | 30 Typ | 2.00 | 2.80 | 10 | 2.5:1 | 150@12V | MSA3 |
| CBL18263030 | 18-26.5 | 30 | 2.50 | 3.00 | 10 | 2.2:1 | 250 | MSA3 |
| CBL18263535 | 18-26.5 | 35 | 2.50 | 3.50 | 10 | 2:1 | 250 | MSA3 |
| CBL18265035 | 18-26.5 | 50 | 3.00 | 3.50 | 10 | 2.5:1 | 450 | MSA4 |
| CBL18261855 | 18-26.5 | 18 | 1.50 | 5.50 | 12 | 2:1 | 200 | MSA3 |
| CBL18262455 | 18-26.5 | 24 | 2.50 | 5.50 | 12 | 2:1 | 250 | MSA3 |
| CBL18262850 | 18-26.5 | 28 | 1.25 | 5.00 | 12 | 2:1 | 260 | MSA3 |
| CBL18263035 | 18-26.5 | 30 | 2.50 | 3.50 | 12 | 2:1 | 300 | MSA3 |
| CBL18264135 | 18-26.5 | 41 | 2.00 | 3.50 | 12 | 2:1 | 390 | MSA4 |
| CBL18261755 | 18-26.5 | 17 | 1.50 | 5.50 | 15 | 2:1 | 300 | MSA3 |
| CBL18262355 | 18-26.5 | 23 | 2.00 | 5.50 | 15 | 2:1 | 350 | MSA3 |
| CBL18263750 | 18-26.5 | 37 | 2.00 | 5.00 | 15 | 2:1 | 550 | MSA4 |
| CBL18402550 | 18-40 | 25 | 2.00 | 5.00 | 6 | 2.5:1 | 120@12V | MSA3 |
| CBL18401750 | 18-40 | 17 | 2.00 | 5.00 | 10 | 2.5:1 | 100@12V | MSA3 |
| CBL18402050 | 18-40 | 20 | 2.00 | 5.00 | 10 | 2.5:1 | 350 | MSA3 |
| CBL18402450 | 18-40 | 24 | 3.00 | 5.00 | 10 | 2.5:1 | 450 | MSA4 |
| CBL18403045 | 18-40 | 30 Typ | 2.00 | 4.50 | 10 | 2.5:1 | 200@12V | MSA4 |
| CBL18404035 | 18-40 | 40 | 4.00 | 4.50 | 10 | 2.3:1 | 250@12V | MK4 |
| CBL18403550 | 18-40 | 35 | 3.00 | 5.00 | 12 | 2.5:1 | 200@12V | MSA4 |
| CBL18402850 | 18-40 | 28 | 3.50 | 5.00 | 13 | 2.5:1 | 600 | MSA3 |
| CBL18403450 | 18-40 | 34 | 3.50 | 5.00 | 13 | 2.5:1 | 675 | MSA4 |
| CBL18401875 | 18-40 | 18 | 2.50 | 7.50 | 18 | 2.5:1 | 850 | MK2 |
| CBL18402575 | 18-40 | 25 | 2.50 | 7.50 | 18 | 2.5:1 | 950 | MK2 |
| CBL18502070 | 18-50 | 20 | 2.50 | 7.00 | 7 | 2.5:1 Typ | 250@12V | MSA4 |
| CBL18503070 | 18-50 | 30 | 3.50 | 7.00 | 7 | 2.5:1 Typ | 375@12V | MSBV4 |
| CBL20401575 | 20-40 | 15 | 2.00 | 7.5 | 10 | 2.5:1 | 280 | MSA3 |
| CBL20402075 | 20-40 | 20 | 2.25 | 7.5 | 10 | 2.5:1 | 350 | MSA3 |
| CBL20402575 | 20-40 | 25 | 2.50 | 7.5 | 10 | 2.5:1 | 410 | MSA3 |
| CBL20403075 | 20-40 | 30 | 2.75 | 7.5 | 10 | 2.5:1 | 470 | MSA4 |
| CBL20403575 | 20-40 | 35 | 3.00 | 7.5 | 10 | 2.5:1 | 530 | MSA4 |
| CBL26401565 | 26.5-40 | 15 | 1.50 | 6.5 | 7 | 2.5:1 | 210 | MSA3 |
| CBL26402065 | 26.5-40 | 20 | 2.00 | 6.5 | 7 | 2.5:1 | 250 | MSA3 |
| CBL26402465 | 26.5-40 | 24 | 2.25 | 6.5 | 7 | 2.5:1 | 300 | MSA3 |
| CBL26403030 | 26.5-40 | 30 | 2.50 | 3.0 | 8 | 2:1 Typ | 150@12V | MSB3 |
| CBL26402050 | 26.5-40 | 20 | 2.00 | 5.0 | 10 | 2.5:1 | 250 | MSA3 |
| CBL26402535 | 26.5-40 | 25 | 2.00 | 3.5 | 10 | 2:1 Typ | 180@12V | MSA3 |
| CBL26402550 | 26.5-40 | 25 | 2.00 | 5.0 | 10 | 2.5:1 | 325 | MK3 |
| CBL26403035 | 26.5-40 | 30 | 2.50 | 3.50 | 10 | 2.5:1 | 250 | MSA3 |



Broadband Low Noise Amplifiers

| Model Number | Frequency Range (GHz) | Gain (dB) Min. | SS Flatness (+/-dB) Max. | NF (dB) Max. | P1dB (dBm) Min. | VSWR In/Out Max. | Current @ 12-15 VDC (mA) Typ. | Case Type |
|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|------------------|-------------------------------|-----------|
| CBL26403050 | 26.5-40 | 30 | 2.00 | 5.0 | 10 | 2.5:1 | 400 | MSA3 |
| CBL26405040 | 26.5-40 | 50 | 3.50 | 4.0 | 10 | 2.5:1 | 375 | MSB5 |
| CBL26402965 | 26.5-40 | 29 | 2.50 | 6.5 | 12 | 2.5:1 | 350 | MSA3 |
| CBL26403565 | 26.5-40 | 35 | 3.00 | 6.5 | 12 | 2.5:1 | 400 | MSA4 |
| CBL26402265 | 26.5-40 | 22 | 2.00 | 6.5 | 15 | 2.5:1 | 350 | MSA3 |
| CBL26403065 | 26.5-40 | 30 | 2.50 | 6.5 | 15 | 2.5:1 | 400 | MK3 |
| CBL26503065 | 26.5-50 | 30 | 5.00 | 6.5 | 5 | 2.5:1 | 450@12V | * |
| CBL26503565 | 26.5-50 | 35 | 5.00 | 6.5 | 5 | 2.5:1 | 500@12V | * |
| CBL26505040 | 26.5-50 | 50 | 5.00 | 4.0 | 5 | 2.5:1 | 500@12V | * |
| CBL30602560 | 30-60 | 25 | 3.5 Typ | 5.0 Typ, 6.0 | * | 2.5:1 | 200/12V | MV3 |
| CBL40601045 | 40-60 | 10 | 1.5 Typ | 4.5 | 0 | 2.5:1 Typ | 80 | MV2 |
| CBL40603045 | 40-60 | 30 Typ | 2.5 | 4.5 | 7 | 2.5:1 | 360@12V | MV3 |
| CBL50752570 | 50-75 | 25 Typ | 3.0 | 7.0 Typ | 8 | 3.0:1 | 210@12V | * |
| CBL57651555 | 57-65 | 15 | 2.50 | 5.5 | 9 | 2:1 | 90 | MV2 |
| CBL57653055 | 57-65 | 30 | 2.50 | 5.5 | 9 | 2:1 | 180 | MV2 |
| CBL60902050 | 60-90 | 20 Typ | 6.0 | 5.0 Typ | -2 | 6.0:1 | 100@12V | MW3 |
| CBL60904055 | 60-90 | 40 Typ | 10.0 | 5.5 Typ | -2 | 6.0:1 | 200@12V | MW3 |
| CBL71861570 | 71-86 | 15 Typ | 2.0 | 7.0 Typ | 5 | 3.0:1 | 60@12V | MW3 |
| CBL71863070 | 71-86 | 30 Typ | 4.0 | 7.0 Typ | 5 | 3.0:1 | 120@12V | MW3 |
| CBL751102055 | 75-110 | 20 Typ | 3.0 | 5.5 Typ | -5 | 3.0:1 | 65@12V | * |
| CBL751104055 | 75-110 | 40 Typ | 6.0 | 5.5 Typ | -5 | 3.0:1 | 125@12V | * |
| CBL751102010 | 75-110 | 20 Typ | 4.5 | 10.0 Typ | 5 | 4.5:1 | 250@12V | * |
| CBL751103010 | 75-110 | 30 Typ | 7.0 | 10.0 Typ | 5 | 4.5:1 | 375@12V | * |
| CBL801001555 | 80-100 | 15 Typ | 2.0 | 5.5 Typ | 0 | 2.8:1 | 40@12V | * |
| CBL801001580 | 80-100 | 15 Typ | 1.5 | 8 Typ | 0 | 4.5:1 | 40@12V | * |
| CBL801003055 | 80-100 | 30 Typ | 3.5 | 5.5 Typ | 0 | 2.8:1 | 70@12V | * |
| CBL821023004 | 82-102 | 18 Typ. | 3 Typ. | 7.0 | 2 | 2:1 Typ | 10V @100 | MW2 |
| CBL85971870 | 85-97 | 18 | 2.0 | 7.0 | 2 | 4/2:1 Typ | 100 | * |
| CBL85972370 | 85-97 | 23 | 2.5 | 7.0 | 2 | 4/2:1 Typ | 150 | * |
| CBL92961555 | 92-96 | 15 Typ | 1.5 | 5.5 Typ | 0 | 4.5:1 | 50@12V | * |
| CBL92963055 | 92-96 | 30 Typ | 3.0 | 5.5 Typ | 0 | 4.5:1 | 90@12V | * |
| CBL92962370 | 92-96 | 23 | 2 | 7.0 | 2 | 4/2:1 Typ | 150 | * |

ALL THE ABOVE SPECIFICATIONS ARE @ 25°C

OTHER FREQUENCY BANDS & NOISE FIGURES ARE ALSO AVAILABLE.

TEMPERATURE COMPENSATED AMPLIFIERS & GAIN CONTROL ARE ALSO AVAILABLE.

*CONSULT THE FACTORY.

**NF WILL BE HIGHER BELOW 0.3GHz

***NF WILL BE HIGHER BELOW 1 GHz

****NF WILL BE 6.0dB MAX FROM 1-50GHz

▲ SMALLER CASES (HN SERIES) ARE ALSO AVAILABLE

△ NOTE: NF BELOW 2GHz WILL BE WORST (6.5dB MAX @ 0.1GHz)

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.