

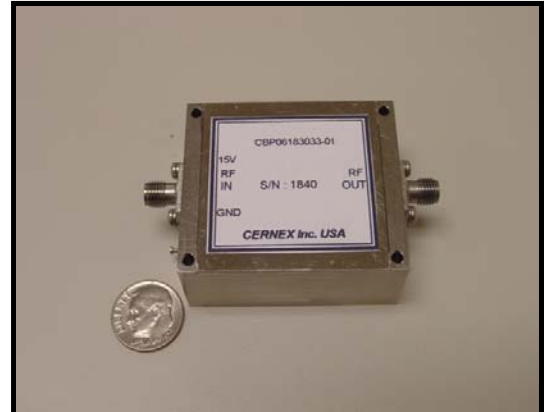
Broadband High Power Amplifiers

FEATURES:

- ❖ Coverage From 0.1 to 46.0 GHz (Octave/Multi-octave)
- ❖ Up To 50 Watt Output Power (@1dB Compression Point)
- ❖ Single Bias (+15VDC) Power Supply
- ❖ Compact Thin-Film Construction
- ❖ Economically Priced

APPLICATIONS:

- ❖ General High Power Laboratory RF Sources.
- ❖ Output Amplifiers in test Equipment (ATE & AGE)
- ❖ Driver Amplifiers in RF Distribution Networks
- ❖ Driver Amplifiers for TWTAs



CBP Series

DESCRIPTION:

Cernex's **CBP series** amplifiers are designed for use in a wide range of general purpose applications such as laboratory test equipment, instrumentation and other applications requiring high power output. Reliable operation is achieved using rugged stripline circuit construction with selected GaAs FET devices.

SPECIFICATIONS:

| Model Number | Frequency Range (GHz) | Gain (dB) Min. | SS Flatness (+/-dB) Min. Max. | NF (dB) Max. | P1dB (dBm) Min. | IP3 (dBm) Typ. | VSWR In/Out Max. | Current @ 15 VDC (A) Typ. | Case Type |
|--------------|-----------------------|----------------|-------------------------------|--------------|-----------------|----------------|------------------|---------------------------|-----------------|
| CBPU1U52452 | 0.1-0.5 | 24 | 1.00 | 10 | 52 | 61 | 2:1 | 28**√ | 8.5x7.8x1.1 |
| CBPU1U52454 | 0.1-0.5 | 24 | 1.50 | 10 | 54 | 62 | 2:1 | 30 **√ | 8.5x7.8x1.1 |
| CBPU1U55047 | 0.1-0.5 | 50 | 1.50 | 10 | 47.5 | 58 | 2:1 | 12**√ | 6.4x3.4x1.1 |
| CBPU1U55253 | 0.1-0.5 | 52 | 2.00 | 10 | 53 | 63 | 2:1(typ) | 40 **√ | Htsnk assembly |
| CBPU4U95353 | 0.4-0.9 | 53 | 1.50 | | 53 | 62 | 2:1 | 28**√ | 9x8x1.5 |
| CBPU4014037 | 0.4-1.0 | 40 | 1.50 | 10 | 37 | * | 2:1 | 2.0 **√ | 6.0x3.0x1.0 |
| CBPU4014440 | 0.4-1.0 | 44 | 2.0 | 10 | 40 | 52 | 2:1 | 6.5(Max)**√ | 6.4x3.4x1.1 |
| CBPU4014443 | 0.4-1.0 | 44 | 2.0 | 10 | 43 | 52 | 2:1 | 6.5(Max)**√ | 6.4X3.4X1.1 |
| CBPU4014644 | 0.4-1.0 | 46 | 1.50 | 10 | 44.5 | 57 | 2:1 | 8(Max) **√ | 6.4x3.4x1.1 |
| CBPU4015353 | 0.4-1.0 | 53 | 1.50 | | 53 | 62 | 2:1 | 28**√ | 9X8X1.5 |
| CBPU4014036 | 0.4-1.2 | 40 | 1.50 | 10 | 36.5 | 47 | 2:1 | 2.0 **√ | 6.0x3.0x1.0 |
| CBPU5013035 | 0.5-1.0 | 30 | 2.00 | 8 | 35 | 42 | 2:1 | 3.0√ | SN8▲ |
| CBPU5013537 | 0.5-1.0 | 35 | 2.25 | 8 | 37 | 44 | 2:1 | 4.5√ | SN8/▲ |
| CBPU5014040 | 0.5-1.0 | 40 | 2.50 | 8 | 40 | 47 | 2:1 | 7.0√ | DN8 |
| CBPU5014043 | 0.5-1.0 | 40 | 3.00 | 8 | 43 | 50 | 2:1 | 10√ | QNC13 |
| CBPU5015049 | 0.5-1.0 | 50 | 1.50 | 10 | 49 | 61 | 2:1 | 15(Max)**√ | 9.8x6.4x1.0 |
| CBPU5015251 | 0.5-1.0 | 52 | 1.50 | 10 | 51.75 | 61 | 2:1 | 30(Max)**√ | Htsnk assembly |
| CBPU5015453 | 0.5-1.0 | 54 | 1.50 | 10 | 53.25 | 64 | 2:1 | 36(Max)**√ | 19.5x11.13x5.13 |
| CBPU5023035 | 0.5-2.0 | 30 | 3.00 | 8 | 35 | 42 | 2.5:1 | 3.0√ | DN8▲ |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|----------------|------------------|---------------------------|-----------------|
| CBPU5023533 | 0.5-2.0 | 35 | 2.0 | 5 | 33 | 40 | 2:1 | 2.0√ | SN8▲ |
| CBPU5023537 | 0.5-2.0 | 35 | 3.50 | 8 | 37 | 44 | 2.5:1 | 4.5√ | DN10 |
| CBPU5024040 | 0.5-2.0 | 40 | 4.00 | 8 | 40 | 47 | 2.5:1 | 7.0√ | QNC13 |
| CBPU5024042 | 0.5-2.0 | 40 | 4.00 | 8 | 42 | 49 | 2.5:1 | 10√ | QNC13 |
| CBPU5024443 | 0.5-2.0 | 44 | 1.50 | 10 | 43 typ. | 50 | 2:1 | 3.5(Max)**√ | 6.0 x 3.0 x1.0 |
| CBPU5024643 | 0.5-2.0 | 46 | 2.00 | 10 | 43 | 50 | 2:1 | 6.5(Max)**√ | 7.4 x 3.6 x 1.1 |
| CBPU8024040 | 0.8-2.0 | 40 | 1.50 | 10 | 40 | 51 | 2:1 | 5**√ | 6.8x2.63x0.75 |
| CBPU8024240 | 0.8-2.5 | 42 | 1.50 | 10 | 40 | 52 | 2:1 | 6**√ | 8.5x3.1x0.72 |
| CBPU8024443 | 0.8-2.5 | 44 | 1.50 | 10 | 43 | 55 | 2:1 | 11(Max)**√ | 11.1x5.0x1.0 |
| CBPU8024444 | 0.8-2.5 | 44 | 1.50 | 10 | 44 | 55 | 2:1 | 12(Max)**√ | 11.1x5.0x1.0 |
| CBPU8033032 | 0.8-3.0 | 30 | 1.50 | 10 | 32 | * | 2:1 | 1.0(Max)**√ | 3.11x2.32x0.66 |
| CBPU8034037 | 0.8-3.0 | 40 | 1.50 | 10 | 37.5 | 49 | 2:1 | 4**√ | 8.5x3.1x0.72 |
| CBPU8034443 | 0.8-3.0 | 44 | 1.50 | 10 | 43 | 53 | 2:1 | 15(Max)**√ | 11x5.0x1.0 |
| CBPU8033030 | 0.8-4.2 | 30 | 1.50 | 10 | 30 | * | 2:1 | 1.5(Max)**√ | 3.11x2.32x0.66 |
| CBPU8043837 | 0.8-4.2 | 38 | 1.50 | 10 | 37.5 | 48 | 2:1 | 4**√ | 8.5x3.1x0.72 |
| CBPU8044240 | 0.8-4.2 | 42 | 2.00 | 10 | 40 | 55 | 2:1 | 8**√ | 11x5.0x1.0 |
| CBPU8044443 | 0.8-4.2 | 44 | 2.00 | 10 | 43 | 53 | 2:1 | 16**√ | * |
| CBPU8044645 | 0.8-4.2 | 46 | 2.00 | 10 | 45.75 | 56 | 2:1 | 25**√ | 19.5x11.13x5.13 |
| CBPU8045048 | 0.8-4.2 | 50 | 2.00 | 10 | 48.75 | 59 | 2:1 | 60 | 17.6x16.8x5.77 |
| CBP01014848 | 1.0-1.8 | 48 | 1.00 | 10 | 48.5 | 57 | 2:1 | 8.0**√ | 8.5X5.0X1.5 |
| CBP01023035 | 1.0-2.0 | 30 | 2.00 | 8 | 35 | 42 | 2:1 | 3.0√ | SN8 |
| CBP01023533 | 1.0-2.0 | 35 | 2.00 | 5 | 33 | 40 | 2:1 | 1.8√ | SN8▲ |
| CBP01023537 | 1.0-2.0 | 35 | 2.00 | 8 | 37 | 44 | 2:1 | 4.5√ | SN8 |
| CBP01023637 | 1.0-2.0 | 36 | 1.50 | 10 | 37 | 48 | 2:1 | 3.0(Max)**√ | 6.0x2.15x0.72 |
| CBP01024040 | 1.0-2.0 | 40 | 2.00 | 8 | 40 | 47 | 2:1 | 7.0√ | DN8 |
| CBP01024041 | 1.0-2.0 | 40 | 2.00 | 8 | 41 | 51 | 2:1 | 7**√ | 6.8x2.63x0.75 |
| CBP01024043 | 1.0-2.0 | 40 | 2.50 | 8 | 43 | 50 | 2:1 | 10√ | QNC13 |
| CBP01024443 | 1.0-2.0 | 44 | 1.50 | 10 | 43 | 55 | 2:1 | 14(Max)**√ | * |
| CBP01024646 | 1.0-2.0 | 46 | 2.00 | 10 | 46.5 | 58 | 2:1 | 17**√ | * |
| CBP01023636 | 1.0-2.5 | 36 | 1.50 | 10 | 36 | 48 | 2:1 | 3(Max)**√ | 6.0x2.15x0.72 |
| CBP01024039 | 1.0-2.5 | 40 | 1.50 | 10 | 39 | 50 | 2:1 | 5**√ | 6.8x2.63x0.75 |
| CBP01024640 | 1.0-2.5 | 46 | 1.50 | 10 | 40 | 53 | 2:1 | 50**√ | 6.0x2.15x0.837 |
| CBP01024644 | 1.0-2.5 | 46 | 1.50 | 10 | 44 | 50 | 2:1 | 2**√ | 6.4 x 2.7 x 1.0 |
| CBP01034039 | 1.0-3.0 | 40 | 1.50 | 10 | 39 | 50 | 2:1 | 6**√ | 6.8x2.63x0.75 |
| CBP01034646 | 1.0-3.0 | 46 | 1.50 | 10 | 46.5 | 56 | 2:1 | 26(Max)**√ | * |
| CBP01024140 | 1.3-2.7 | 41 | 1.50 | 10 | 40 | 50 | 2:1 | 6**√ | 6.8x2.63x0.75 |
| CBP01024848 | 1.7-2.5 | 48 | 1.0 | 10 | 48.5 | 57 | 2:1 | 8.0**√ | 8.5X5.0X1.5 |
| CBP02043033 | 2.0-4.0 | 30 | 2.00 | 5 | 33 | 40 | 2:1 | 1.7√ | SN8▲ |
| CBP02043035 | 2.0-4.0 | 30 | 2.00 | 8 | 35 | 42 | 2:1 | 3.5√ | SN8 |
| CBP02043537 | 2.0-4.0 | 35 | 2.00 | 8 | 37 | 44 | 2:1 | 4.5√ | SN8 |
| CBP02043837 | 2.0-4.0 | 38 | 1.50 | 10 | 37.75 | 48 | 2:1 | 3**√ | 6.8x2.63x0.75 |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|----------------|------------------|---------------------------|------------|
| CBP02044040 | 2.0-4.0 | 40 | 2.50 | 8 | 40 | 47 | 2:1 | 7.0√ | DN8 |
| CBP02044043 | 2.0-4.0 | 40 | 3.00 | 8 | 43 | 50 | 2:1 | 10√ | QNC13 |
| CBP02044240 | 2.0-4.0 | 42 | 1.50 | 10 | 40 | 52 | 2:1 | 7**√ | 11x5.0x1.0 |
| CBP02044443 | 2.0-4.0 | 44 | 1.50 | 10 | 43 | 50 | 2:1 | 15**√ | * |
| CBP02044846 | 2.0-4.0 | 48 | 1.50 | 10 | 46 | 56 | 2:1 | 30**√ | * |
| CBP02063033 | 2.0-6.0 | 30 | 1.75 | 6 | 33 | 40 | 2:1 | 1.7√ | SN8▲ |
| CBP02063535 | 2.0-6.0 | 35 | 3.00 | 8 | 35 | 42 | 2:1 | 3.5√ | SN8▲ |
| CBP02064037 | 2.0-6.0 | 40 | 3.50 | 8 | 37 | 44 | 2:1 | 7.0√ | DN8 |
| CBP02064040 | 2.0-6.0 | 40 | 4.00 | 8 | 40 | 47 | 2:1 | 10.0√ | QNC13 |
| CBP02083033 | 2.0-8.0 | 30 | 2.50 | 6 | 33 | 40 | 2:1 | 1.8√ | SN8▲ |
| CBP02083535 | 2.0-8.0 | 35 | 4.00 | 8 | 35 | 42 | 2:1 | 3.5√ | DN8 |
| CBP02084037 | 2.0-8.0 | 40 | 4.00 | 8 | 37 | 44 | 2:1 | 7.0√ | QNC13 |
| CBP02084040 | 2.0-8.0 | 40 | 4.00 | 8 | 40 | 44 | 2:1 | 10√ | QNC13 |
| CBP02183031 | 2.0-18.0 | 30 | 4.50 | 7 | 31 | 38 | 2.25:1 | 4.5√ | * |
| CBP02183533 | 2.0-18.0 | 35 | 5.00 | 7 | 33 | 40 | 2.25:1 | 9.0√ | * |
| CBP02203031 | 2.0-20.0 | 30 | 5.50 | 8 | 31 | 38 | 2.5:1 | 4.5√ | * |
| CBP02203533 | 2.0-20.0 | 35 | 6.00 | 8 | 33 | 40 | 2.5:1 | 9.0√ | * |
| CBP03123032 | 3.7-12.0 | 30 | 2.50 | 6 | 32 | 42 | 2:1 | 1.8√ | LN7 |
| CBP03123034 | 3.7-12.0 | 30 | 3.00 | 6 | 34 | 41 | 2:1 | 3.0√ | SN8▲ |
| CBP03123536 | 3.7-12.0 | 35 | 3.50 | 6 | 36 | 43 | 2:1 | 5.0√ | DN8 |
| CBP04083833 | 4.0-8.0 | 38 | 2.25 | 6 | 33 | 40 | 2:1 | 1.8√ | SN8▲ |
| CBP04083035 | 4.0-8.0 | 30 | 2.50 | 8 | 35 | 42 | 2:1 | 3.5√ | SN8▲ |
| CBP04083537 | 4.0-8.0 | 35 | 3.00 | 8 | 37 | 44 | 2:1 | 5.0√ | DN8 |
| CBP04084040 | 4.0-8.0 | 40 | 3.50 | 8 | 40 | 47 | 2:1 | 8.0√ | QNK13 |
| CBP04084042 | 4.0-8.0 | 40 | 3.50 | 8 | 42 | 49 | 2:1 | 12.0√ | QNC13 |
| CBP05153032 | 5.0-15.0 | 30 | 2.50 | 6 | 32 | 39 | 2:1 | 2.0√ | SN8▲ |
| CBP05153534 | 5.0-15.0 | 35 | 3.00 | 6 | 34 | 40 | 2:1 | 3.5√ | SN8 |
| CBP05154036 | 5.0-15.0 | 40 | 3.50 | 6 | 36 | 42 | 2:1 | 6.0√ | DN8 |
| CBP05154038 | 5.0-15.0 | 40 | 4.00 | 6 | 38 | 45 | 2:1 | 10.0√ | QNC13 |
| CBP06183033 | 6.0-18.0 | 30 | 3.50 | 6 | 33 | 40 | 2:1 | 2.5√ | SN8 |
| CBP06183535 | 6.0-18.0 | 35 | 4.00 | 6 | 35 | 42 | 2:1 | 3.5√ | DN8 |
| CBP06184037 | 6.0-18.0 | 40 | 5.00 | 7 | 37 | 44 | 2:1 | 7.5√ | QNK13 |
| CBP06184040 | 6.0-18.0 | 40 | 5.00 | 8 | 40 | 46 | 2:1 | 15.0√ | * |
| CBP06113034 | 6.5-11.5 | 30 | 2.00 | 7 | 34 | 41 | 2:1 | 3.0√ | MN3 |
| CBP06113537 | 6.5-11.5 | 35 | 2.50 | 7 | 37 | 44 | 2:1 | 3.5√ | DN8 |
| CBP06114039 | 6.5-11.5 | 40 | 3.00 | 7 | 39 | 46 | 2:1 | 6.0√ | QNK13 |
| CBP08123033 | 8.0-12.0 | 30 | 2.00 | 8 | 33 | 40 | 2:1 | 2.5√ | HN7 |
| CBP08123535 | 8.0-12.0 | 35 | 2.50 | 8 | 35 | 42 | 2:1 | 4.0√ | SN8 |
| CBP08124037 | 8.0-12.0 | 40 | 3.00 | 8 | 37 | 44 | 2:1 | 6.0√ | DN10 |
| CBP08124039 | 8.0-12.0 | 40 | 3.50 | 8 | 39 | 46 | 2:1 | 8.0√ | QNK13 |
| CBP12183033 | 12.0-18.0 | 30 | 3.00 | 6 | 33 | 40 | 2:1 | 2.5√ | SN8 |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|----------------|------------------|---------------------------|-----------|
| CBP12183535 | 12.0-18.0 | 35 | 3.50 | 6 | 35 | 42 | 2:1 | 3.5√ | DN8 |
| CBP12184037 | 12.0-18.0 | 40 | 4.00 | 7 | 37 | 44 | 2:1 | 7.5√ | QNK13 |
| CBP12184040 | 12.0-18.0 | 40 | 4.50 | 8 | 40 | 46 | 2:1 | 15.0√ | * |
| CBP13163033 | 13.0-16.0 | 30 | 2.50 | 6 | 33 | 40 | 2:1 | 2.5√ | SN8 |
| CBP13163535 | 13.0-16.0 | 35 | 2.75 | 6 | 35 | 42 | 2:1 | 5.0√ | DN8 |
| CBP13164037 | 13.0-16.0 | 40 | 3.00 | 6 | 37 | 44 | 2:1 | 10.0√ | QNK10 |
| CBP13164539 | 13.0-16.0 | 45 | 3.25 | 6 | 39 | 46 | 2:1 | 18.0√ | QNC15 |
| CBP13165041 | 13.0-16.0 | 50 | 3.50 | 6 | 41 | 48 | 2:1 | 35.0√ | * |
| CBP13173534 | 13.0-17.0 | 35 | 3.00 | 6 | 34 | 41 | 2:1 | 1.5√ | SN8 |
| CBP13173536 | 13.0-17.0 | 35 | 3.50 | 6 | 36.5 | 43 | 2:1 | 3.0√ | DN8 |
| CBP13174039 | 13.0-17.0 | 40 | 4.00 | 6 | 39 | 46 | 2:1 | 6.0√ | QNK10 |
| CBP13174041 | 13.0-17.0 | 40 | 4.00 | 6 | 41 | 47 | 2:1 | 21.0√ | * |
| CBP13174043 | 13.0-17.0 | 40 | 4.00 | 6 | 43 | 50 | 2:1 | 40.0√ | * |
| CBP13183534 | 13.0-18.0 | 35 | 2.00 | 7 | 34 | 40 | 2:1 typ | 3.0√ | SN8 |
| CBP13184037 | 13.0-18.0 | 40 | 2.50 | 7 | 37 | 44 | 2:1 | 5.0√ | DN8 |
| CBP13184539 | 13.0-18.0 | 45 | 3.00 | 7 | 39 | 46 | 2:1 | 10.0√ | * |
| CBP13184541 | 13.0-18.0 | 45 | 3.50 | 7 | 41 | 48 | 2:1 | 20.0√ | * |
| CBP13185043 | 13.0-18.0 | 50 | 4.00 | 7 | 43 | 50 | 2:1 | 35.0√ | * |
| CBP18203033 | 18.0-20.0 | 30 | 2.00 | 10 | 33 | 40 | 2:1 | 3.5√ | MN4 |
| CBP18203535 | 18.0-20.0 | 35 | 2.50 | 10 | 35 | 42 | 2:1 | 6.0√ | SN8 |
| CBP18204037 | 18.0-20.0 | 40 | 3.00 | 10 | 37 | 44 | 2:1 | 9.0√ | DN8 |
| CBP18204040 | 18.0-20.0 | 40 | 4.00 | 10 | 40 | 46 | 2:1 | 13.0√ | QNC13 |
| CBP18223033 | 18.0-22.0 | 30 | 2.50 | 8 | 33 | 40 | 2:1 | 2.0√ | MN4 |
| CBP18223535 | 18.0-22.0 | 35 | 3.00 | 8 | 35 | 42 | 2:1 | 3.5√ | 8N8 |
| CBP18224037 | 18.0-22.0 | 40 | 3.50 | 8 | 37 | 44 | 2:1 | 7.0√ | DN8 |
| CBP18233031 | 18.0-23.0 | 30 | 2.00 | 8 | 31 | 38 | 2:1 | 1.0√ | SN8 |
| CBP18233533 | 18.0-23.0 | 35 | 2.50 | 8 | 33 | 40 | 2:1 | 4.0√ | DN8 |
| CBP18234035 | 18.0-23.0 | 40 | 3.00 | 8 | 35 | 42 | 2:1 | 8.0√ | QNK10 |
| CBP18234037 | 18.0-23.0 | 40 | 3.50 | 8 | 37 | 44 | 2:1 | 16.0√ | * |
| CBP18243532 | 18.0-24.5 | 35 | 3.00 | 7 | 32.5 | 40 | 2:1 | 6.0√ | SN8 |
| CBP18244035 | 18.0-24.5 | 40 | 4.50 | 7 | 35Psat | 42 | 2:1 | 11.0√ | QNK13 |
| CBP18263533 | 18.0-26.5 | 35 | 3.00 | 7 | 33 | 40 | 2:1 | 3.5√ | QNK10 |
| CBP18264035 | 18.0-26.5 | 40 | 3.50 | 7 | 35 | 42 | 2:1 | 6.0√ | QNK13 |
| CBP24313534 | 24.0-31.0 | 35 | 2.50 | 6 | 34 | 41 | 2:1 typ | 4.5√ | CKP4 |
| CBP24314036 | 24.0-31.0 | 40 | 3.00 | 6 | 36 | 43 | 2:1 | 9.0√ | CKP5 |
| CBP24314538 | 24.0-31.0 | 45 | 3.50 | 6 | 38 | 45 | 2:1 | 18.0√ | * |
| CBP24314540 | 24.0-31.0 | 45 | 4.00 | 6 | 40 | 47 | 2:1 | 40.0√ | * |
| CBP25333031 | 25.0-33.0 | 30 | 3.00 | 6 | 31 | 38 | 2:1 | 4.5√ | CKP5 |
| CBP25333533 | 25.0-33.0 | 35 | 3.50 | 6 | 33 | 40 | 2:1 | 9.0√ | * |
| CBP25334031 | 25.0-33.0 | 40 | 3.50 | 7 | 31 | 38 | 2:1 | 5.0√ | CKP5 |
| CBP25334033 | 25.0-33.0 | 40 | 4.50 | 7 | 33 | 40 | 2:1 | 10.0√ | * |



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|--------------|-----------------------|----------------|--------------------------|--------------|-----------------|----------------|------------------|---------------------------|-----------|
| CBP25334035 | 25.0-33.0 | 40 | 3.50 | 6 | 35 | 42 | 2:1 | 18.0√ | * |
| CBP26314034 | 26.0-31.0 | 40 | 2.50 | 6 | 34 | 41 | 2:1 | 5.0√ | CKP5 |
| CBP26314036 | 26.0-31.0 | 40 | 3.50 | 6 | 36 | 43 | 2:1 | 10.0√ | * |
| CBP26403529 | 26.5-40.0 | 35 | 5typ | 8 | 29Psat | 36 | 2:1 | 6.0√ | * |
| CBP27324033 | 27.0-32.0 | 40 | 3.00 | 6 | 33 | 40 | 2:1 | 5.0√ | CKP5 |
| CBP27324035 | 27.0-32.0 | 40 | 4.00 | 6 | 35 | 42 | 2:1 | 10.0√ | * |
| CBP28313037 | 28.0-31.0 | 30 | 2.00 | 7 | 37 | 44 | 2:1 | 4.2√ | * |
| CBP28313539 | 28.0-31.0 | 35 | 2.50 | 7 | 39 | 46 | 2:1 | 9.0√ | * |
| CBP28314041 | 28.0-31.0 | 40 | 3.00 | 7 | 41 | 46 | 2:1 | 18.0√ | * |
| CBP28314043 | 28.0-31.0 | 40 | 3.50 | 7 | 43 | 50 | 2:1 | 36.0√ | * |
| CBP30403031 | 30.0-40.0 | 30 | 4.00 | 6 | 31Psat | 38 | 2:1 | 2.2√ | CKP4 |
| CBP30403032 | 30.0-40.0 | 30 | 4.50 | 6 | 32 | 39 | 2:1 | 4.5√ | * |
| CBP30403534 | 30.0-40.0 | 35 | 4.50 | 6 | 34Psat | 41 | 2:1 | 9.0√ | * |
| CBP30404036 | 30.0-40.0 | 40 | 5.50 | 6 | 36Psat | 43 | 2:1 | 18.0√ | * |
| CBP30404038 | 30.0-40.0 | 40 | 5.50 | 6 | 38Psat | 45 | 2:1 | 36.0√ | * |
| CBP31373033 | 31.0-37.0 | 30 | 3.00 | 6 | 33 | 40 | 2:1 | 2.0√ | CKP4 |
| CBP31373535 | 31.0-37.0 | 35 | 3.50 | 6 | 35 | 42 | 2:1 | 4.0√ | CKP5 |
| CBP31374037 | 31.0-37.0 | 40 | 4.00 | 6 | 37 | 44 | 2:1 typ | 8.0 | QND8 |
| CBP31374039 | 31.0-37.0 | 40 | 4.00 | 6 | 39 | 46 | 2:1 typ | 16.0 | * |
| CBP33364032 | 33.0-36.0 | 40 | 2.00 | 6 | 32 | 39 | 2:1 typ | 3.5 | CKP4 |
| CBP33364534 | 33.0-36.0 | 45 | 3.00 | 6 | 34 | 41 | 2:1 typ | 6.0 | CKP5 |
| CBP37404032 | 37.0-40.0 | 40 | 3.00 | 10 | 32 | 39 | 2:1 typ | 3.5 | CKP4 |
| CBP37404534 | 37.0-40.0 | 45 | 3.50 | 10 | 34 | 41 | 2:1 typ | 8.0 | CKP5 |
| CBP40453532 | 40.0-45.0 | 35 | 2.50 | 10 | 32 | 39 | 2:1 typ | 5.0 | CKP5 |
| CBP40454033 | 40.0-45.0 | 40 | 3.00 | 10 | 33 | 40 | 2:1 typ | 9.0 | QND8 |
| CBP41463033 | 41.0-46.0 | 30 | 3.50 | 10 | 33Psat | 40 | 2:1 typ | 10.0 | QND8 |

ALL THE ABOVE SPECIFICATIONS ARE @ 25°C

OTHER FREQUENCY BANDS & HIGHER POWER ARE ALSO AVAILABLE.

TEMPERATURE COMPENSATED AMPLIFIERS & GAIN CONTROL ARE ALSO AVAILABLE

*CONSULT THE FACTORY

** VDC is 28V.

√ SMALL SIGNAL CURRENT

▲ SMALLER PACKAGES ARE ALSO AVAILABLE

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.