

□ 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 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) Max.	P1dB (dBm) Min.	IP3 (dBm) Typ.	VSWR In/Out Max.	Current @ 12 VDC (A) Typ.	Case Type
CBPH1013430P	0.001-1	34	1.5	30	37	2:1 (In)	1(Max) **√	6 x 3 x 1.1
CBPH1012244P	0.001-1	22	2.0	44	51	2:1 (In)	14(Max) **√	17.5 x 9.8 x
CBPH1015044P	0.001-1	50	2.0	44	51	2:1 (In)	18(Max) **√	17.5 x 9.8 x
CBPH1013633OP	0.001-1	36	1.5	33	39	2:1 (In)	1.2(Max) **√	6 x 3 x 1.1
CBPH5014336P	0.005-1	43	2.25	36	45	2:1 (In)	5.5 (Max) **√	6 x 3 x 1.1
CBPV2013730P	0.02-1	37	2.0	30	45	2:1 (In)	0.5 (Max) **√	3.1 x 2.35 x
CBPV2014033P	0.02-1	40	2.0	33	43	2:1 (In)	0.75 (Max) **√	3.1 x 2.35 x
CBPV2014640P	0.02-1	46	1.5	40	48	2:1 (In)	5.2 (Max) **√	6 x 3 x 1.1
CBPV2012244P	0.02-1	22	2.0	44	51	2:1 (In)	17 (Max) **√	17.5 x 9.8 x
CBPV2015044P	0.02-1	50	2.0	44	51	2:1 (In)	18 (Max) **√	17.5 x 9.8 x
CBPV2064042	0.02-6	40 Typ	2.0 Typ	42Psat	*	2:1 (In) 3:1Typ(Out)	50V@4A Max	SN14-2A
CBPU1U52452	0.1-0.5	24	1.00	52	61	2:1	28**√	8.5x7.8x1.1
CBPU1U52454	0.1-0.5	24	1.50	54	62	2:1	30 **√	8.5x7.8x1.1
CBPU1U55047	0.1-0.5	50	1.50	47.5	58	2:1	12**√	6.4x3.4x1.1
CBPU1U55253	0.1-0.5	52	2.00	53	63	2:1(typ)	40 **√	Htsnk
CBPU2014644	0.2-1.0	46	2.00	44	50	2:1	28V√@18A	120x80x25 mm
CBPU3024040	0.3-2.0	40	2.0	40	47	2:1	28V	DG15
CBPU3044036	0.3-4.0	40	2.50	36	45	2:1	2.0A@15V	*

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CBPU3044538	0.3-4.0	45	2.50	38	47	2:1	4.0A@15V	*
CBPU3045040	0.3-4.0	50	3.0	40	49	2:1	8.0A@15V	8
CBPU4U95353	0.4-0.9	53	1.50	53	62	2:1	28**√	9x8x1.5
CBPU4014037	0.4-1.0	40	1.50	37	*	2:1	2.0 **√	6.0x3.0x1.0
CBPU4014440	0.4-1.0	44	2.0	40	52	2:1	6.5(Max)**√	6.4x3.4x1.1
CBPU4014443	0.4-1.0	44	2.0	43	52	2:1	6.5(Max)**√	6.4X3.4X1.1
CBPU4014644	0.4-1.0	46	1.50	44.5	57	2:1	8(Max) **√	6.4x3.4x1.1
CBPU4014036	0.4-1.2	40	1.50	36.5	47	2:1	2.0 **√	DN8
CBPU4064537	0.4-6.0	45	3.0	37	42	2:1	3.5@15V	*
CBPU5011047P	0.5-1.0	10	1.5	47	54	2:1 (In)	11 (Max) **√	8.7 x 5.2 x
CBPU5011050P	0.5-1.0	10	1.5	50	55	2:1 (In)	25 (Max) **√	17.5 x 9.8 x
CBPU5013035	0.5-1.0	30	2.00	35	42	2:1	3.0√@15V	SN8▲
CBPU5013537	0.5-1.0	35	2.25	37	44	2:1	4.5√@15V	SN8/▲
CBPU5013836P	0.5-1.0	38	1.50	36	43	2:1 (In)	2.5 (Max) **√	6 x 3 x 1.1
CBPU5014040	0.5-1.0	40	2.50	40	47	2:1	7.0√@15V	DN8
CBPU5014043	0.5-1.0	40	3.00	43	50	2:1	10√@15V	QNC15
CBPU5014441P	0.5-1.0	44	1.5	41	47	2:1 (In)	4 (Max) **√	6 x 3 x 1.1
CBPU5014844P	0.5-1.0	48	1.5	44	51	2:1 (In)	4 (Max) **√	6 x 3 x 1.1
CBPU5015049	0.5-1.0	50	1.50	49	61	2:1	15(Max)**√	9.8x6.4x1.0
CBPU5015251	0.5-1.0	52	1.50	51.75	61	2:1	30(Max)**√	Htsnk
CBPU5015453	0.5-1.0	54	1.50	53.25	64	2:1	36(Max)**√	19.5x11.13x5
CBPU5023031	0.5-2.0	30	1.50	31	38	2:1	1.5	LN5
CBPU5023533	0.5-2.0	35	2.0	33	40	2:1	2.0√@15V	SN8▲
CBPU5023035	0.5-2.0	30	3.00	35	42	2.5:1	3.0√@15V	DN8▲
CBPU5023537	0.5-2.0	35	3.50	37	44	2.5:1	4.5√@15V	DN10
CBPU5024040	0.5-2.0	40	4.00	40	47	2.5:1	7.0√@15V	QNC15
CBPU5024042	0.5-2.0	40	4.00	42	49	2.5:1	12√@15V	*
CBPU5024443	0.5-2.0	44	1.50 typ	43 typ.	50	2:1	15√@15V	*
CBPU5024643	0.5-2.0	46	2.00 typ	43	50	2:1	6√@28V	*
CBPU8022435	0.5-2.5	30 typ	3.50 typ	35	42	2:1	3@15V	DN8
CBPU5064035	0.5-6.0	40	3.00 typ	35	42	3:1	2.0A@15V	*
CBPU5064037	0.5-6.0	40	3.00	37	*	2:1	3.6A@15V	*
CBPU5064537	0.5-6.0	45	3.00	37	44	2:1	4.0@15V	7.150X2.8X0.
CBPU5064539	0.5-6.0	45	3.50	39	*	2:1	7.2A@15V	*
CBPU5065040	0.5-6.0	50	4.00	39	46	2:1	8.0A@15V	*
CBPU5065041	0.5-6.0	50	4.00	40	47	2:1	8.0A@15V	*
CBPU7043736P	0.7-4.0	37	2.0	36	45	2:1 (In)	3.5 (Max)13V	8 x 3 x 1.1
CBPU7043838P	0.7-4.0	38	2.0	38	49	2:1 (In)	8.5 (Max)13V	9 x 5.2 x 1.8
CBPU7063537	0.7-6.0	35	2.0 typ	37	*	2:1 typ	3.0(Typ)15V	7.5 x 3.1 x
CBPU8020846P	0.8-2.0	8	1.5	46	56	2:1 (In)	13 (Max)13V	8.6 x 5.2 x

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CBPU8021743P	0.8-2.0	17	1.5	43	53	2:1 (In)	12 (Max)13V	7.9 x 5.4 x 1.2
CBPU8023936P	0.8-2.0	39	1.5	36	47	2:1 (In)	10 (Max)13V	6.3 x 2.3 x 0.9
CBPU8024040	0.8-2.0	40	1.50 typ	40	51	2:1	5**√	QNC15
CBPU8024140P	0.8-2.0	41	1.5	40	50	2:1 (In)	5 (Max)	6.8 x 2.7 x 1.0
CBPU8025550	0.8-2.0	55	2.0	50	*	2:1	15 (Max)@48V	*
CBPU8024240	0.8-2.5	42	1.50 typ	40	52	2:1	6**√	*
CBPU8024443	0.8-2.5	44	1.50 typ	43	55	2:1	11(Max)**√	*
CBPU8024444	0.8-2.5	44	1.50 typ	44	55	2:1	12(Max)**√	*
CBPU8033032	0.8-3.0	30	1.50	32	*	2:1	1.0(Max)**√	3.11x2.32x0.66
CBPU8034037	0.8-3.0	40	1.50	37.5	49	2:1	4**√	SN10
CBPU8034443	0.8-3.0	44	1.50 typ	43	53	2:1	15(Max)**√	*
CBPU8040637P	0.8-4.2	6	1.5	37	47	2:1 (In)	2(Max)13V	6 x 3 x 1.1
CBPU8043130P	0.8-4.2	31	2.0	30	41	2:1 (In)	0.8(Max)13V	3.0 x 2.2 x
CBPU8043530	0.8-4.2	35	2.0	30	-	2:1	1	LN6
CBPU8043837	0.8-4.2	38	1.50 typ	37.5	48	2:1	4**√	*
CBPU8044240	0.8-4.2	42	2.00	40	55	2:1	8**√	11x5.0x1.0
CBPU8044443	0.8-4.2	44	2.00	43	53	2:1	16**√	*
CBPU8044645	0.8-4.2	46	2.00	45.75	56	2:1	25**√	19.5x11.13x5
CBPU8045048	0.8-4.2	50	2.00	48.75	59	2:1	60**	17.6x16.8x5.
CBPU8064043	0.8-6.0	40	3.00	43Psat	-	2/2.5:1	1.5A,12V	SN14-1A
CBPU8064544	0.8-6.0	45	3.50	44Psat	-	2/2.5:1	3.0A	TBD
CBP01014848	1.0-1.8	48	1.00	48.5	57	2:1	8.0**√	8.5X5.0X1.5
CBP01023533	1.0-2.0	35	2.00	33	40	2:1	1.8√	SN8▲
CBP01023035	1.0-2.0	30	2.00	35	42	2:1	3.0√	SN8
CBP01023537	1.0-2.0	35	2.00	37	44	2:1	4.5√	SN8
CBP01024040	1.0-2.0	40	2.00	40	47	2:1	7.0√	DN8
CBP01024041	1.0-2.0	40	2.00	41	51	2:1	7**√	6.8x2.63x0.7
CBP01024043	1.0-2.0	40	2.50	43	50	2:1	10√	QNC15
CBP01024443	1.0-2.0	44	1.50	43	55	2:1	14(Max)**√	*
CBP01023045	1.0-2.0	30	2.00	45	52	2:1	36@15V	QNC15A
CBP01024646	1.0-2.0	46	2.00	46.5	58	2:1	17**√	*
CBP01023636	1.0-2.5	36	1.50	36	48	2:1	3(Max)**√	6.0x2.15x0.7
CBP01024039P	1.0-2.5	40	1.50	39	49	2:1 (In)	5(Max)13V	6.8 x 2.7 x
CBP01024039	1.0-2.5	40	1.50	39	50	2:1	5**√	6.8x2.63x0.7
CBP01024640	1.0-2.5	46	1.50	40	53	2:1	7.5**√	6.0x2.15x0.8
CBP01024644	1.0-2.5	46	1.50	44	50	2:1	2**√	6.4 x 2.7 x
CBP01033937P	1.0-3.0	39	1.50	37	48	2:1 (In)	3(Max)13V	6.8 x 2.7 x



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CBP01034039	1.0-3.0	40	1.50	39	50	2:1	15V√	DN14
CBP01034646	1.0-3.0	46	1.50	46.5	56	2:1	15V√	*
CBP01064033	1.0-6.0	40	3.50	33	43	2:1/2.5/1	15V@3A	SN8
CBP01065050	1.0-6.0	50	3	50	-	2:1	28V@25A	TBD
CBP01024140	1.3-2.7	41	1.50	40	50	2:1	15V√	6.8x2.63x0.75
CBP01033036	1.5-3.0	30	1.0	36	44	2:1	15V√	SN8
CBP01024848	1.7-2.5	48	1.0	48.5	57	2:1	15V√	8.5X5.0X1.5
CBP01044038	1.0-4.0	40	2.50	38	45	2:1	15V√	QNC15
CBP02023636	2.05-2.45	36	1.50	36	48	2:1	3@15v	SN8
CBP02041240P	2.0-4.0	12	1.50	40	50	2:1 (In)	6(Max)13V	7.9 x 5.4 x 1.2
CBP02041243P	2.0-4.0	12	1.50	43	53	2:1 (In)	12(Max)13V	8.8 x .4 x 1.2
CBP02043033	2.0-4.0	30	2.00	33	40	2:1	1.7√	SN8▲
CBP02043533	2.0-4.0	35	1.50	33	40	2:1	1.7√	SN8
CBP02043035	2.0-4.0	30	2.00	35	42	2:1	3.5√	SN8
CBP02043537	2.0-4.0	35	2.00	37	44	2:1	4.5√	SN8
CBP02043937P	2.0-4.0	39	1.50	37	48	2:1 (In)	3(Max)13V	6.8 x 2.7 x 1.0
CBP02044140	2.0-4.0	41	2.50	40	47	2:1	7.0√	SN8
CBP02044042	2.0-4.0	40	2.50	42	49	2:1	8.5	DN12
CBP02044043	2.0-4.0	40	2.50	43	50	2:1	10√	QNC15
CBP02044846	2.0-4.0	48	2.50	46	56	2:1	30**√	*
CBP02063530	2.0-6.0	35	1.50	30	37	2:1	1.0√	LN6
CBP02063535	2.0-6.0	35	3.00	35	42	2:1	3.5√	SN8▲
CBP02064037	2.0-6.0	40	3.50	37	44	2:1	7.0√	SN8
CBP02064038	2.0-6.0	40	3.00	38	45	1.5:1	12	QNC15
CBP02064039	2.0-6.0	40	2.00	39	47	2:1	10	QNC15
CBP02064040	2.0-6.0	40	2.00	40	47	2:1	10.0√	DN10
CBP02064741	2.0-6.0	47	4.00	41	48	2:1	12@15V	QNC15
CBP02064342	2.0-6.0	43	2.50	42	49	2:1	14	QNC15
CBP02064343	2.0-6.0	43	3.00	43	50	2:1	18	PNC19
CBP02064545	2.0-6.0	45	4.00	45	52	2:1	30	10x10x1.0
CBP02064547	2.0-6.0	45	4.00	47	54	2:1	60	15x13x1.0
CBP02065550	2.5-6.0	55	5	50	-	2:1	26-32V@22A	TBD
CBP02085050	2.0-8.0	50	5	49Psat 50Typ	-	2:1	32V@45ATyp	TBD
CBP02088432	2.0-8.0	34	2.0	32		2:1	2.0	LN8
CBP02083033	2.0-8.0	30	2.50	33	40	2:1	1.8√	SN8▲



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CBP02083534	2.0-8.0	35	4.00	34	40	2:1	3.5@15V	DN10
CBP02083535	2.0-8.0	35	4.00	35	42	2:1	3.5√	DN10
CBP02084037	2.0-8.0	40	4.00	37	44	2:1	7.0√	DN14
CBP02084040	2.0-8.0	40	4.00	40	47	2:1	12	QNC15
CBP02084041	2.0-8.0	40	2.50	41Psat	48	2:1	15	PNC19
CBP02084342	2.0-8.0	43	4.50	42	49	2:1	18	PNC19
CBP02084343	2.0-8.0	43	5.00	43	50	2:1	22	*
CBP02084736	2.0-8.0	47	2.50	36	40	2	5	DN12
CBP02084545	2.0-8.0	45	5.00	45Psat	52	2:1	*	*
CBP02084547	2.0-8.0	45	5.00	47Psat	54	2:1	*	*
CBP02085050	2.0-8.0	50	5.00	50Psat	57	2:1	*	*
CBP02123533	2.0-12.0	35	4.0	33	40	2:1	4.5@15V	SN8B-1
CBP02123535	2.0-12.0	35	4.0	35	42	2:1	8	*
CBP02124037	2.0-12.0	40	5.0	37	44	2:1	15	*
CBP02124040	2.0-12.0	40	6.0	40Psat	45	2:1	28	*
CBP02183033	2.0-18.0	30	4.0	33	40	2:1	5.0√	SN8B-1
CBP02183533	2.0-18.0	35	4.00	33	40	2:1	5.0√	SN8B-1
CBP02183030	2.0-18.0	30	2.5 Typ	30	37	2:1	2.5	SN8
CBP02183031	2.0-18.0	30	4.00	31	38	2.25:1	2.5√	SN8
CBP02183531	2.0-18.0	35	4.00	31	38	2.25:1	2.75√	SN8
CBP02203031	2.0-20.0	30	5.5	31	38	2.5:1	4.5	SN8
CBP02203532	2.0-20.0	35	6.00	32	40	2.5:1	5.0√	*
CBP03073033	3.0-7.0	30	2.50	33	40	2:1	1.8@15V	SN8
CBP03123032	3.7-12.0	30	2.50	32	42	2:1	1.8√	LN7
CBP03123034	3.7-12.0	30	3.00	34	41	2:1	3.0√	SN8▲
CBP03123536	3.7-12.0	35	3.50	36	43	2:1	5.0√	DN8
CBP04063533	4.0-6.0	35	1.5	33		2:1	1.5	LN8
CBP04064040	4.0-6.0	40	3.5	40	47	2:1	8	QNC15A
CBP04064344	4.0-6.0	43	2.0	44	51	2:1	28	TBD
CBP04083833	4.0-8.0	38	2.25	33	40	2:1	1.8√	SN8▲
CBP04083035	4.0-8.0	30	2.00	35	42	2:1	3.5√	SN8▲
CBP04083535	4.0-8.0	35	2.0	35	42	2:1	3.5√	SN8
CBP04083537	4.0-8.0	35	3.00	37	44	2:1	5.0√	SN8
CBP04084140	4.0-8.0	41	3.50	40	47	2:1	8.0√	DN14
CBP04084042	4.0-8.0	40	3.50	42	49	2:1	12.0√	QNC15
CBP04084343	4.0-8.0	43	2.50	43	50	2:1	22	PNC19

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CBP04103039	4.0-10.0	30	3.0	39	46	2:1	17	QNC17
CBP04123040	4.0-12.0	30	4.5	40	47	2:1	18	QNC17
CBP04124038	4.0-12.0	40	3.0	38	45	2:1	9	QNC17
CBP05103035	5.0-10.0	30	2.0	35	42	2:1	3.5	DN10
CBP05153032	5.0-15.0	30	2.50	32	39	2:1	2.0√	SN8▲
CBP05153534	5.0-15.0	35	3.00	34	40	2:1	3.5√	SN8
CBP05154036	5.0-15.0	40	3.50	36	42	2:1	6.0√	DN8
CBP05154038	5.0-15.0	40	4.00	38	45	2:1	10.0√	QNC15
CBP05182931	5.9-18.0	29	2.00	31.5	*	2:1(In)/2.5:1 (Out)	2.2@12-18V	MN3
CBP06115050	6.0-11.0	50	4	49.5Psat	*	2:1	30VDC@25ATyp	4.5X4.6X0.7
CBP06123033	6.0-12.0	30	3.50	33	40	2:1/2.5:1	2.5	MKP4
CBP06125050	6.0-12.0	50	4	48Psat	*	2:1	30VDC@25ATyp	4.5X4.6X0.7
CBP06183033	6.0-18.0	30	3.50	33	40	2:1	2.5√	SN8
CBP06183533	6.0-18.0	35	3.5	33	40	2:1/2.5:1	2.5	MKP4
CBP06183535	6.0-18.0	35	4.00	35	42	2:1	3.5√	CKP5
CBP06184036	6.0-18.0	40	3.50	36	43	2:1	5	DN8
CBP06184137	6.0-18.0	41	5.00	37	44	2:1	7.5√	DN8
CBP06184040	6.0-18.0	40	5.00	40	46	2:1	13.0√	QNK10
CBP06185040	6.0-18.0	50	5.00	40	47	2:1	15	ONC15
CBP06184042	6.0-18.0	40	5.00	42	46	2:1	25.0√	ONC15
CBPG06184443	6.0-18.0	44	3.5	43Psat	50	2:1 Typ	30.0√	*
CBP06113034	6.5-11.5	30	2.00	34	41	2:1	3.0√	MN3
CBP06113537	6.5-11.5	35	2.50	37	44	2:1	3.5√	DN8
CBP06114039	6.5-11.5	40	3.00	39	46	2:1	6.0√	QNK13
CBP07115050	7.0-11.0	50	4	100WPsat	*	2:1	30VDC@25Typ	4.5X4.6X0.7
CBP08123033	8.0-12.0	30	2.00	33	40	2:1	2.5√	LN7
CBP08123333	8.0-12.0	33	1.50	33	40	2:1	2	SN8
CBP08123035	8.5-12.5	30	0.75	35	42	2:1	5	SN8
CBP08123535	8.0-12.0	35	2.00	35	42	2:1	4.0√	SN8
CBP08124037	8.0-12.0	40	2.00	37	44	2:1	6.0√	SN8
CBP08124039	8.0-12.0	40	2.25	39	46	2:1	8.0√	QNK10
CBP08123040	8.0-12.0	30	2.50	40	47	2:1	14	QNC17A
CBP08126040	8.0-12.0	60	2.50	40	47	2:1	16	DN12
CBP08124843	8.0-12.0	48	2.75	43	50	2:1	12A	QNK10A
CBP08125044	8.0-12.0	50	3.00	44.5	51	2:1	24A	*



Broadband High Power Amplifiers

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CBP08125047	8.0-12.0	50	4.00	47	54	2:1	64	*
CBP08125050	8.0-12.0	50	4	Psat 48	*	2:1	30VDC@25ATyp	4.5X4.6X0.7
CBP08184736	8.0-18.0	47	2.50	36 Psat	38	<2	4	DN8
CBP08184540	8.0-18.0	45	3.50	40	47	2:1	25	QNK10A
CBP09113033	9.0-11.0	30	1.5	33		2:1	2.0	MKP4
CBP09104545	9.0-10.0	45	1.50	45	55	2:1	26	*
CBP12183030	12.0-18.0	30	3.00	30	35	2:1	1.6	SN8
CBP12183033	12.0-18.0	30	3.00	33	40	2:1	2.5√	SN8
CBP12183535	12.0-18.0	35	3.50	35	42	2:1	3.5√	DN8
CBP12184037	12.0-18.0	40	4.00	37	44	2:1	7.5√	QNK13
CBP12184040	12.0-18.0	40	4.50	40	46	2:1	15.0√	QNK10
CBP12185041	12.0-18.0	50	4.0	41 Psat	47	2:1	20	ONC15
CBP13163033	13.0-16.0	30	2.50	33	40	2:1	2.5√	SN8
CBP13163535	13.0-16.0	35	2.75	35	42	2:1	5.0√	DN8
CBP13164037	13.0-16.0	40	3.00	37	44	2:1	10.0√	QNK10
CBP13164539	13.0-16.0	45	3.25	39	46	2:1	18.0√	QNC15
CBP13165041	13.0-16.0	50	3.50	41	48	2:1	35.0√	*
CBP13173033	13.0-17.0	30	1.5	33		2:1	3.0	MKP4
CBP13173534	13.0-17.0	35	3.00	34	41	2:1	1.5√	SN8
CBP13173536	13.0-17.0	35	3.50	36.5	43	2:1	3.0√	DN8
CBP13174039	13.0-17.0	40	4.00	39	46	2:1	6.0√	QNK10
CBP13174041	13.0-17.0	40	4.00	41	47	2:1	21.0√	*
CBP13174043	13.0-17.0	40	4.00	43	50	2:1	40.0√	*
CBP13183534	13.0-18.0	35	2.00	34	40	2:1 typ	3.0√	SN8
CBP13184037	13.0-18.0	40	2.50	37	44	2:1	5.0√	DN8
CBP13184539	13.0-18.0	45	3.00	39	46	2:1	10.0√	QNK10
CBP13184541	13.0-18.0	45	3.50	41	48	2:1	20.0√	ONC15
CBP13185043	13.0-18.0	50	4.00	43	50	2:1	35.0√	TBD
CBP15174036	15.4-17.3	40	3.0	36	43	2:1	5	DN8
CBP15173848	15.5-17.5	38	3.0	48	55	2:1	120	TBD
CBP15183535	15.0-18.0	35	1.5	35	40	2:1	4.0	SN8
CBP17214038	17.0-21.0	40	2.50 Typ	38 Psat	45	2:1	9	QNK10
CBP18203033	18.0-20.0	30	2.00	33	40	2:1	3.5√	MN4
CBP18203535	18.0-20.0	35	2.50	35	42	2:1	6.0√	SN8



Broadband High Power Amplifiers

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CBP18204037	18.0-20.0	40	3.00	37	44	2:1	9.0√	DN8
CBP18204040	18.0-20.0	40	4.00	40	46	2:1	13.0√	QNC15
CBP18223033	18.0-22.0	30	2.50	33	40	2:1	2.0√	MN4
CBP18223535	18.0-22.0	35	3.00	35	42	2:1	3.5√	8N8
CBP18224037	18.0-22.0	40	3.50	37	44	2:1	7.0√	DN8
CBP18233031	18.0-23.0	30	2.00	31	38	2:1	1.0√	SN8
CBP18233533	18.0-23.0	35	2.50	33	40	2:1	4.0√	DN8
CBP18234035	18.0-23.0	40	3.00	35	42	2:1	8.0√	QNK10
CBP18234037	18.0-23.0	40	3.50	37	44	2:1	16.0√	*
CBP18243532	18.0-24.5	35	3.00	32.5	40	2:1	6.0√	SN8
CBP18244035	18.0-24.5	40	4.00	35Psat	42	2:1	11.0√	QNK10
CBP18263533	18.0-26.5	35	3.00	33	40	2:1	3.5√	QNK10
CBP18263535	18.0-26.5	35	3.50	35	42	2:1	8.5	TBD
CBP18264035	18.0-26.5	40	3.50	35	42	2:1	8.5	TBD
CBP18264037	18.0-26.5	40	4.00	37	-	2:1	15.0	TBD
CBP24313534	24.0-31.0	35	2.50	34	41	2:1 typ	4.5√	CKP4
CBP24314036	24.0-31.0	40	3.00	36	43	2:1	9.0√	CKP5
CBP24314538	24.0-31.0	45	3.50	38	45	2:1	18.0√	QNK10A-1
CBP24314540	24.0-31.0	45	4.00	40	47	2:1	40.0√	*
CBP25264543	25.2-26.5	45	1.50	43 Psat	50	2:1	50	TBD
CBP25333031	25.0-33.0	30	3.00	31	38	2:1	4.5√	CKP5
CBP25334031	25.0-33.0	40	3.50	31	38	2:1	5.0√	CKP5
CBP25333533	25.0-33.0	35	3.50	33	40	2:1	9.0√	*
CBP25334033	25.0-33.0	40	4.50	33	40	2:1	10.0√	*
CBP25334035	25.0-33.0	40	3.50	35	42	2:1	18.0√	*
CBP26314034	26.0-31.0	40	2.50	34	41	2:1	5.0√	CKP5
CBP26314036	26.0-31.0	40	3.50	36	43	2:1	10.0√	*
CBP26404033	26.5-40.0	40typ	6typ	33Psat	40	3:1 typ	12.0	*
CBP27324033	27.0-32.0	40	3.00	33	40	2:1	5.0√	CKP5
CBP27324035	27.0-32.0	40	4.00	35	42	2:1	10.0√	*
CBP28313037	28.0-31.0	30	2.00	37	44	2:1	4.2√	*
CBP28313539	28.0-31.0	35	2.50	39	46	2:1	9.0√	*
CBP28314041	28.0-31.0	40	3.00	41	46	2:1	18.0√	*
CBP28314043	28.0-31.0	40	3.50	43	50	2:1	36.0√	*
CBP30403031	30.0-40.0	30	4.00	31Psat	38	2:1	2.2√	CKP4



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CBP30403032	30.0-40.0	30	4.50	32	39	2:1	4.5√	*
CBP30403534	30.0-40.0	35	4.50	34Psat	41	2:1	9.0√	*
CBP30404036	30.0-40.0	40	5.50	36Psat	43	2:1	18.0√	*
CBP30404038	30.0-40.0	40	5.50	38Psat	45	2:1	36.0√	*
CBP31353532	31.0-35.0	35	2.00	32	39	2:1	3.5	MKP4
CBP31353034	31.0-35.0	30	3.0	34Psat	40	2:1	7.0	CKP5
CBP31373033	31.0-37.0	30	3.00	33	40	2:1	5.5A	CKP5A
CBP31373535	31.0-37.0	35	3.50	35	42	2:1	8	CKP5
CBP31374037	31.0-37.0	40	4.00	37	44	2:1 typ	16	QND8
CBP31374039	31.0-37.0	40	4.00	39	46	2:1 typ	32	*
CBP32404530	32.0-40.0	45	5.00	30	35	2:1 typ	4.5	CKP5
CBP33364032	33.0-36.0	40	2.00	32	39	2:1 typ	3.5	CKP4
CBP33364239	33.0-36.0	42	2.50	39	46	2:1	32	*
CBP33364534	33.0-36.0	45	3.00	34	41	2:1 typ	6.0	CKP5
CBP34363035	34.0-36.0	30	1.00	35	42	2:1	6	CKP5
CBP36402333	36.0-40.0	23	3.5 Typ	33	*	2:1 typ	5.5	CKP5A
CBP37404032	37.0-40.0	40	3.00	32	39	2:1 typ	3.5	CKP4
CBP37404534	37.0-40.0	45	3.50	34	41	2:1 typ	8.0	CKP5
CBP40453532	40.0-45.0	35	2.50	32	39	2:1 typ	5.0	CKP5
CBP40454033	40.0-45.0	40	3.00	33	40	2:1 typ	9.0	QND8
CBP40471532	40.0-47.0	15	2.50	32	*	*	14.0	*
CBP40473532	40.0-47.0	35	2.50	32	*	*	14.5	*
CBP40474732	40.0-47.0	47	2.5	32	*	*	15	*
CBP40483531	40.0-48.0	35	4.00 typ	31Psat	37	2:1 typ	9.0	*
CBP40503031	40.0-50.0	30	6.5 typ	31Psat ***	37	2:1 typ	18	*
CBP41463033	41.0-46.0	30	3.50	33Psat	39	2:1 typ	10.0	QND8
CBP43452531	43.5-45.5	25	2.50	31	37	2:1	8	CKP5
CBP43453033	43.5-45.5	30	2.50	33 Psat	39	2:1 typ	12	CKP5

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.

*** To 49GHz.

√ SMALL SIGNAL CURRENT

▲ SMALLER PACKAGES ARE ALSO AVAILABLE

**** GAIN WINDOW IS 10dB

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.