

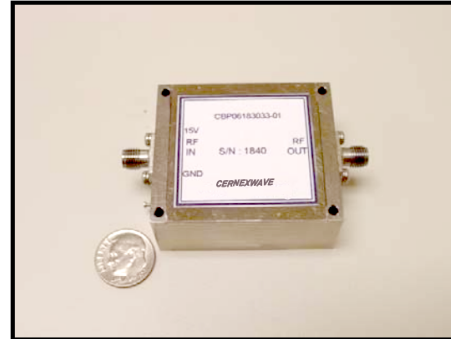
Broadband VHF & UHF High Power Amplifiers

FEATURES:

- ❖ Coverage From 0.15 MHz to 2500 MHz
- ❖ Up To 300 Watt Output Power (@1dB Compression Point)
- ❖ Single Bias (+28VDC) Power Supply
- ❖ Compact Construction
- ❖ Economically Priced

APPLICATIONS:

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



CBP Series

DESCRIPTION:

CernexWave'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 and PCB construction.

SPECIFICATIONS:

Model Number	Frequency Range (MHz)	Gain (dB) Min.	Gain Flatness (±dB) Max.	VSWR In Max.	Output power P1dB dBm Min.	DC (V) Typ.	Current @28 VDC (A) Typ.	Case Size (HxWxD) (inch)
CBPL1U24342OP	0.15-230	43	2.0	*	42	28	5(Max)	6 x 3 x 1.1
CBPL1U23936OP	0.15-230	39	1.0	2:1	36	28	2(Max)	6 x 3 x 1.1
CBPL5U54036OP	0.5-500	40	1.0	2:1	36	28	2(Max)	6 x 3 x 1.1
CBPH2U54037OP	2-500	40	1.5	2:1	37	28	2.5(Max)	6 x 3 x 1.1
CBPH1V34343S	1.5-30	43	2.0	2:1	43	12	*	2.7 x 2.1 x 0.9
CBPH1V34040S	1.5-30	40	2.0	2:1	40	28	*	2.7 x 2.1 x 0.9
CBPH1V31557S	1.5-30	15	2.0	2:1	57	50	*	9.4 x 7 x 1.5
CBPV2U54340OP	20-500	43	1.5	2:1	40	28	3(Max)	6 x 3 x 1.1
CBPV2U54045	20-500	48	1.5	2:1	44	28	10	5.9 x 3.9 x 0.98
CBPV2U54844OP	20-500	48	1.5	2:1	44	28	10(Max)	5.9 x 3 x 1.1
CBPV2U21252S	20-200	12	2.0	2:1	52	28	*	3.9 x 2.9 x 0.9
CBPV2U21250S	20-200	12	2.0	2:1	50	28	*	3.9 x 2.9 x 0.9
CBPV2U21040S	20-200	10	2.0	2:1	40	28	5	2.7 x 2.1 x 0.7
CBPV3L54843OP	30-512	48	1.5	2:1	43	28	10(Max)	6 x 3 x 1.1
CBPV3U51348S	30-512	13	3.0	2:1	48	28	*	3.9 x 2.9 x 0.9
CBPV3U52150S	30-512	21	3.0	2:1	50	28	12	4.7 x 2.9 x 0.7



Broadband VHF & UHF High Power Amplifiers

Model Number	Frequency Range (MHz)	Gain (dB) Min.	Gain Flatness ($\pm$ dB) Max.	VSWR In/Out Max.	Output power P1dB dBm Min.	DC (V) Typ.	Current @28 VDC (A) Typ.	Case Size (HxWxD) (inch)
CBPV3U51055S	30-512	10	3.0	2:1	55	28	32	8.6 x 7 x 1.3
CBPU1U54343S	100-500	43	3.0	2:1	43	28	*	4.7 x 2.9 x 0.7
CBPU1U51250S	100-500	12	3.0	2:1	50	28	*	3.9 x 2.9 x 0.7
CBPU1U51255S	100-500	12	3.0	2:1	55	28	*	8.6 x 6.6 x 1.3
CBPU2U41149OP	225-450	11	1.5	2:1	49	28	14(Max)	6.9 x 3.5 x 1.1
CBPU2U51248S	225-512	12	2.0	2:1	48	28	*	4.7 x 2.9 x 0.7
CBPU2U52150S	225-512	21	1.5	2:1	50	28	13	4.7 X 2.9 X 0.7
CBPU2U51055S	225-512	10	2.0	2:1	55	28	*	8.6 x 6.6 x 1.3

OTHER FREQUENCY BANDS & HIGHER POWER ARE ALSO AVAILABLE

*CONSULT THE FACTORY **VDC is 28V

CERNEXWAVE RESERVES THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE