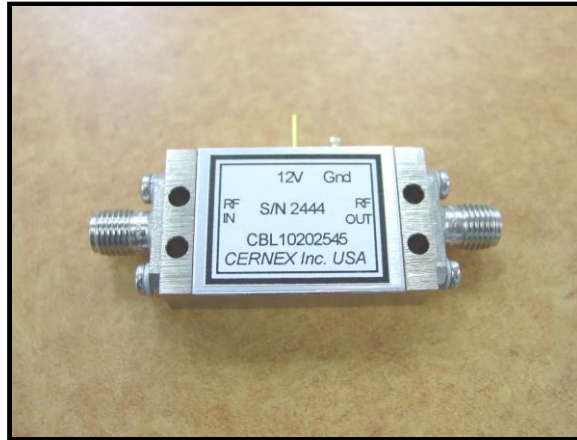


## Broadband Low Noise Amplifiers

### FEATURES:

- ❖ Coverage From 0.01 to 97.0 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
CBLK1012025	10KHz-1GHz	20	2.0	2.50	5	2.5:1	150	FK4
CBLK1013035	10KHz-1GHz	30	2.0	4.50	8	2.0:1	200	FK4
CBLK1013030	10KHz-1GHz	29	4.0	3.00	8	2.5:1	175	FK4
CBLK3033220	30KHz-3GHz	32	3.5	2.00	10	2.0:1	200	FK4
CBLK3083035	30KHz-8GHz	30	1.5	3.50	10	2.0:1	300	FK4
CBLK3302060	30KHz-30GHz	20	3.5	6.00	8	2.0:1	180	FK3
CBLL1033030	100KHz-3GHz	30	3.0	3.00	10	2.3:1	300	FK4
CBLL1183540	100KHz-18GHz	33	3.5	4.50	10	2.5:1	300	FK4
CBLV1102825	0.01-10	28	1.5	2.50	17	2.0:1	250	MA6
CBLV1203560	0.01-20	35	2.5	6.00	8	2.3:1	375	MK3
CBLV2012020	0.02-1	20	2.0	2.00	20	2.5:1	175	HN3
CBLV3013012	0.03-1.5	30	12.0	1.20	12	2.0:1	200	HN3
CBLV3264545	0.03-26.5	45	2.5	4.50	10	2.5:1	300	MK4
CBLV3401570	0.03-40	15	3.75	10.00	15	2.0:1	250	FK4
CBLV3U11515	0.035-0.108	15	1.0	2.00	10	2.0:1	150	60x40x20 mm
CBLV4U52914	0.04-0.5	29	0.75	1.40	18	2.0:1	250	HN4
CBLV5U23020	0.05-0.2	30	0.5	2.00	13	2.0:1	160	50x30x15 mm
CBLV5U52631	0.05-0.5	26	2.0	3.10	15	2.0:1	200	HN3
CBLV8U51840	0.08-0.5	18	1.0	4.00	10	2.0:1	100	21.89x38.1x8.13 mm
CBLU1011313	0.1-1	13	1.0	1.30	10	2.5:1	85	HN2
CBLU1023612	0.1-2	36	1.0	1.20	10	2.0:1	150	HN4
CBLU1033213	0.1-3	32	1.0	1.30	10	2.0:1	150	HN4

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CBLU1042615	0.1-4	26	1.25	1.50	10	2.0:1	150	HN3
CBLU1063020	0.1-6	30	1.5	2.00	10	2.0:1	175	HN4
CBLU1061520-01	0.1-6	15	1.5	2.00	10	2.0:1	175	HN4
CBLU1083025	0.1-8	30	1.5	2.50	10	2.0:1	175	HN3
CBLU1084025-01	0.1-8	40	2.5	2.50	10	2.0:1	175	HS4
CBLU1102828	0.1-10	28	1.5	2.80	10	2.0:1	175	HN3
CBLU1103030	0.1-10	30	2.5	3.00	10	2.5:1	160	HN4
CBLU1103050	0.1-10	30	2.5	5.00	20	2.5:1	300	HN4
CBLU1104038	0.1-10	40	3.0	3.80	10	2.0:1	275	HN5
CBLU1122630	0.1-12	26	1.5	3.00	10	2.0:1	175	HN3
CBLU1142232	0.1-14	22	2.0	3.20	10	2.5:1	200	HN3
CBLU1162134	0.1-16	21	2.0	3.40	10	2.5:1	200	HN3
CBLU1181835	0.1-18	18	2.0	3.50	10	2.5:1	200	HN3
CBLU1182532	0.1-18	25	3.0	5.00	10	2.0:1	150	HN4
CBLU1183525	0.1-18	35	2.75	2.50	10	2.5:1	225	HN4
CBLU1183540	0.1-18	35	3.0	4.00**	10	2.5:1	200	HN4
CBLU1183735	0.1-18	37	4.0	5.00	20	2.5:1	410	MK4
CBLU1201838	0.1-20	18	2.5	3.80	10	2.5:1	175	MK2
CBLU1221645	0.1-22	16	2.5	4.50	10	2.5:1	175	MK2
CBLU1241645	0.1-24	16	2.5	4.50	10	2.5:1	175	MK2
CBLU1261645	0.1-26.5	16	2.5	4.50	10	2.5:1	175	MK2
CBLU1263045	0.1-26.5	30	3.0	4.50	10	2.5:1	350	MK3
CBLU1281645	0.1-28	16	2.5	4.50	10	2.7:1	175	MK2
CBLU1301545	0.1-30	15	2.5	4.50	7	3.0:1	175	MK3
CBLU1401450	0.1-40	14	4.0	5.00	6	3.5:1	275	MK2
CBLU1502355	0.1-50	23	4.0	5.50	8	2.25:1	150	MK3
CBLU1U42015-01	0.108-0.42	20	1.0	2.00	10	2.0:1	150	80x40x20 mm
CBLU1U23611	0.12-0.25	36	1.0	1.10	10	2.0:1	120	HN3
CBLU2053610	0.25-5	36	1.0	1.00	10	2.0:1	180	HN4
CBLU3012510	0.3-1.4	25	1.0	1.00	10	2.0:1	100	HN3
CBLU3184060	0.3-18	40	3.5	6.00	10	2.0:1	540	HN5
CBLU3274060	0.3-27.5	40	3.5	6.00	10	2.3:1	540	HN5
CBLU4012015	0.4-1	20	1.0	2.00	10	2.0:1	150	80x40x20 mm
CBLU5012110	0.5-1	21	1.0	1.00	12	2.0:1	150	HN3
CBLU5012408	0.5-1	24	1.0	0.80	10	2.0:1	100	HN3
CBLU5021125	0.5-2	11	0.75	2.50	10	2.0:1	100	HN2
CBLU5021523	0.5-2	15	1.5	2.30	15	2.0:1	125	HN3
CBLU5022125	0.5-2	21	1.0	2.50	18	2.0:1	200	HN3
CBLU5022325	0.5-2	23	1.0	2.50	12	2.0:1	150	HN3
CBLU5022630	0.5-2	26	1.0	3.00	20	2.0:1	200	HN3
CBLU5023020	0.5-2	30	1.25	2.00	10	2.0:1	150	HN3
CBLU5023135	0.5-2	31	1.0	3.50	20	2.0:1	260	HN3



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CBLU5023610	0.5-2	36	1.0	1.00	10	2.0:1	130	HN4
CBLU5023830	0.5-2	38	1.25	3.00	15	2.0:1	240	HN4
CBLU5023915	0.5-2	39	1.0	1.50	25	2.0:1	250	HN5
CBLU5023425	0.5-2	34	1.0	2.50	18	2.0:1	250	HN4
CBLU5022435	0.5-2	24	1.0	3.50	20	2.0:1	240	HN3
CBLU5024035	0.5-2	40	1.25	3.50	20	2.0:1	320	HN5
CBLU5032030	0.5-3	20	0.8	3.00	12	2.0:1	120	HN2
CBLU5033330	0.5-3.25	33	1.5	3.00	15	1.5:1	250	HN4
CBLU5041840	0.5-4	18	0.75	4.00	14	2.0:1	150	HN2
CBLU5042025	0.5-4	20	0.75	2.50	10	2.0:1	200	HN2
CBLU5042630	0.5-4	26	1.25	3.00	12	2.0:1	180	HN3
CBLU5043030	0.5-4	30	1.5	3.00	12	2.0:1	240	HN3
CBLU5042240	0.5-4	22	1.0	4.00	15	2.0:1	180	HN3
CBLU5042840	0.5-4	28	1.0	4.00	14	2.0:1	200	HN3
CBLU5043140	0.5-4	31	1.5	4.00	18	2.0:1	240	HN4
CBLU5043314	0.5-4	33	0.75	1.40	10	2.0:1	200	HN4
CBLU5044040	0.5-4	40	1.5	4.00	18	2.0:1	300	HN4
CBLU5062045	0.5-6	20	1.5	4.50	15	2.0:1	225	HN3
CBLU5062645	0.5-6	26	1.5	4.50	12	2.0:1	225	HN3
CBLU5063028	0.5-6	30	2.0	2.80	10	2.0:1	150	HN4
CBLU5064045	0.5-6	40	2.0	4.50	12	2.0:1	330	HN4
CBLU5062745	0.5-6	27	1.5	4.50	15	2.0:1	225	HN3
CBLU5064145	0.5-6	41	2.0	4.50	15	2.0:1	330	HN4
CBLU5065045	0.5-6	50	2.0	4.50	15	2.0:1	380	HN4
CBLU5082550	0.5-8	25	1.75	5.00	12	2.5:1	225	HN3
CBLU5083650	0.5-8	36	3.0	5.00	10	2.0:1	150	HN4
CBLU5083750	0.5-8	37	2.0	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	2.0	5.00	15	2.5:1	330	HN4
CBLU5122050	0.5-12	20	2.0	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	2.0	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
CBLU5143535	0.5-14	35	1.5	3.50	18	2.2:1	300	HN4
CBLU5181550	0.5-18	15	2.75	5.00	10	2.5:1	150	HN3
CBLU5182060	0.5-18	20	3.25	6.00	12	2.5:1	310	HN3
CBLU5182560	0.5-18	25	3.75	6.00	12	2.5:1	370	HN4
CBLU5182850	0.5-18	28	2.50	5.00	10	2.2:1	250	HN4
CBLU5183060	0.5-18	30	3.75	6.00	12	2.5:1	430	HN4
CBLU5183530	0.5-18	35	2.75	3.00	10	2.5:1	225	HN4



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CBLU5184540	0.5-18	45	2.5	4.00	8	2.5:1	250	HN4
CBLU5404050	0.5-40	40	4.0	5.00	10	2.5:1	500	MK3
CBLU7023122	0.7-2	31	0.3	2.20	24	2.0:1	300	HN3
CBL01023407	1-2	34	1.0	0.70	10	2.0:1	130	HN3
CBL01023805	1-2	38	1.0	0.50	10	2.0:1	150	HN4
CBL01022616	1-2	26	1.0	1.60	10	2.0:1	100	HN3
CBL01022420	1-2	24	1.0	2.00	12	2.0:1	150	HN3
CBL01022825	1-2	28	1.0	2.50	18	2.0:1	250	HN4
CBL01022927	1-2	29	1.0	2.70	20	2.0:1	300	HN3
CBL01023225	1-2	32	1.0	2.50	12	2.0:1	180	HN4
CBL01023309	1-2	33	1.0	0.90	10	2.0:1	175	HN4
CBL01023810	1-2	38	1.0	1.00	10	2.0:1	150	HN4
CBL01024130	1-2	41	1.25	3.00	18	2.0:1	350	HN5
CBL01024030	1-2	42	1.25	3.00	12	2.0:1	240	HN5
CBL01034020	1-3	40	1.5	2.00	12	2.0:1	175	HN4
CBL01032811	1-3	28	1.5	1.10	8	2.5:1	150	HN4
CBL01042608	1-4	26	1.75	1.30	8	2.5:1	175	HN4
CBL01061550	1-6	15	1.0	5.00	20	1.9:1	120	HN2
CBL01063020	1-6	30	1.5	2.00	10	2.0:1	260	HN3
CBL01133525	1-13	35	1.0	2.5	12	2.0:1	200	HN4
CBL01142550	1-14	25	2.0	5.00	10	2.0:1	175	HN3
CBL01182030	1-18	20	2.0	3.00	10	2.0:1	200	HN3
CBL01182630	1-18	26	2.0	3.50	10	2.5:1	150	HN4
CBL01183025	1-18	35	1.7	2.50	20	2.5:1	600	HN5
CBL01183035	1-18	30	2.5	3.50	20	2.3:1	300	HN4
CBL01183530	1-18	35	2.2	3.00	20	2.5:1	300	HN4
CBL01185030	1-18	50	3.0	3.00	15	2.0:1	300	HN3+HN3
CBL01186030	1-18	60	5.0	3.00	10	2.0:1	375	HN4+HN3
CBL01202040	1-20	20	2.0	4.00	20	2.0:1	300	MK2
CBL01262505	1-26	25	5.0	5.00	8	2.0:1	250	MK3
CBL01263345	1-26.5	33	2.5	4.50	10	2.0:1	180	MK3
CBL01401550	1-40	15	3.0	5.00	8	2.2:1	200	MK2
CBL01401570	1-40	15	3.0	7.00	8	2.25:1	200	MK2
CBL01402570	1-40	25	5.0	7.00	8	2.25:1	325	MK3
CBL01403050	1-40	30	5.0	5.00	10	2.5:1	350	MK4
CBL01403060	1-40	30	5.0	6.00	10	2.25:1	350	MK4
CBL01403070	1-40	30	6.0	7.00	8	2.25:1	400	MK4
CBL01022310	1.2-2.4	23	1.0	1.00	8	2.0:1	100	MK3
CBL01022608	1.2-2.4	26	0.5	0.80	10	1.75:1	150	HN3
CBL01022060-01	1.5-2.5	20	1.0	6.00	15	2.0:1	100	HN3
CBL01031230	1.5-3	12	0.5	3.00	20	2.0:1	250	HN3
CBL01063030	1.5-6	30	2.0	3.00	10	2.0:1	150	HN4



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CBL01084440	1.8-8.2	40	1.0	4.00	10	2.0:1	200	HN5
CBL01041238	1.9-4.2	14	1.0	3.80	20	2.0:1	120	HN2
CBL02042618	2-4	26	1.0	1.80	10	2.0:1	100	HN4
CBL02042810	2-4	28	1.0	1.00	10	2.0:1	125	HN3
CBL02042420	2-4	24	1.0	2.00	12	2.0:1	180	HN4
CBL02043020	2-4	30	1.25	2.00	12	2.0:1	240	HN3
CBL02043206	2-4	32	1.0	0.60	10	2.0:1	125	HN4
CBL02044020	2-4	40	1.25	2.00	15	2.0:1	300	HN4
CBL02042325	2-4	23	1.0	2.50	18	2.0:1	240	HN4
CBL02042925	2-4	29	1.25	2.50	18	2.0:1	300	HN4
CBL02043925	2-4	39	1.5	2.50	18	2.0:1	360	HN4
CBL02044006	2-4	40	1.0	0.60	10	2.0:1	125	HN4
CBL02044011	2-4	40	0.75	1.10	15	2.0:1	200	HN4
CBL02045620	2-4	56	1.5	2.00	12	2.0:1	300	HN5
CBL02061435	2-6	14	1.0	3.50	18	2.0:1	120	HN3
CBL02062616	2-6	26	1.0	1.60	10	2.0:1	125	HN3
CBL02062225	2-6	22	1.0	2.50	12	2.0:1	100	HN3
CBL02062430	2-6	24	1.0	3.00	12	2.0:1	160	HN3
CBL02063030	2-6	30	1.5	3.00	12	2.0:1	220	HN4
CBL02064030	2-6	40	2.0	3.00	12	2.0:1	300	HN5
CBL02062335	2-6	23	1.0	3.50	18	2.0:1	200	HN3
CBL02062935	2-6	29	1.5	3.50	18	2.0:1	250	HN4
CBL02063935	2-6	39	2.0	3.50	18	2.0:1	360	HN5
CBL02083020	2-8	30	1.5	2.00	10	2.0:1	175	HN3
CBL02081425	2-8	14	1.5	2.50	10	2.0:1	70	HN2
CBL02081640-01	2-8	16	1.0	4.00	14	1.5:1	100	HN3
CBL02082030-01	2-8	20	1.25	3.00	12	2.0:1	100	HN3
CBL02082235	2-8	22	1.0	3.50	12	2.0:1	180	HN3
CBL02082640	2-8	26	1.25	4.00	20	2.0:1	240	HN3
CBL02083035	2-8	30	1.5	3.50	12	2.0:1	240	HN4
CBL02084035	2-8	40	2.0	3.50	12	2.0:1	300	HN5
CBL02082425	2-8	24	1.5	2.50	15	2.0:1	150	HN3
CBL02083025	2-8	30	1.5	2.50	15	2.0:1	200	HN4
CBL02084225	2-8	42	1.5	2.50	15	2.0:1	300	HN4
CBL02082525	2-8	25	1.5	2.50	18	2.0:1	175	HN3
CBL02082140	2-8	21	1.0	4.00	18	2.0:1	250	HN3
CBL02082940	2-8	29	2.0	4.00	18	2.0:1	300	HN4
CBL02083940	2-8	39	2.0	4.00	18	2.0:1	360	HN5
CBL02083230	2-8	32	1.5	3.00	20	2.0:1	300	HN4
CBL02084025	2-8	40	1.5	2.50	15	2.0:1	300	HN4
CBL02084140	2-8	41	1.0	4.00	15	2.0:1	225	HN4
CBL02084230	2-8	42	1.5	3.00	20	2.0:1	350	HN4



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CBL02084530	2-8	45	1.5	3.00	20	2.0:1	400	HN5
CBL02102045	2-10	20	2.0	4.50	12	2.0:1	200	HN3
CBL02103045	2-10	30	2.5	4.50	12	2.0:1	300	HN4
CBL02102047	2-10	20	2.0	4.75	18	2.0:1	250	HN3
CBL02103047	2-10	30	2.5	4.75	18	2.0:1	350	HN4
CBL02121950	2-12	19	2.0	5.00	12	2.0:1	200	HN3
CBL02122750	2-12	27	2.0	5.00	12	2.0:1	300	HN4
CBL02123650	2-12	36	2.5	5.00	12	2.0:1	375	HN5
CBL02121855	2-12	18	2.5	5.50	18	2.0:1	250	HN3
CBL02122655	2-12	26	2.5	5.50	18	2.0:1	350	HN4
CBL02123555	2-12	35	2.5	5.50	18	2.0:1	400	HN5
CBL02182035	2-18	20	2.5	3.50	10	2.5:1	100	HN3
CBL02180745	2-18	7	1.5	4.50	8	2.2:1	65	HN2
CBL02181445	2-18	14	1.5	4.50	9	2.2:1	100	HN3
CBL02182235	2-18	22	2.0	3.50	8	2.2:1	160	HN3
CBL02182638	2-18	26	2.0	3.80	18	2.0:1	350	HN4
CBL02183235	2-18	32	2.0	3.50	8	2.2:1	200	HN4
CBL02183145	2-18	31	2.0	4.50	15	2.2:1	325	HN4
CBL02182045	2-18	20	2.0	4.50	18	2.2:1	350	HN3
CBL02181860	2-18	18	2.5	6.00	12	2.3:1	200	HN3
CBL02182460	2-18	24	3.0	6.00	12	2.3:1	300	HN3
CBL02183060	2-18	30	3.5	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
CBL02202070	2-20	20	2.5	7.00	12	2.5:1	275	HN3
CBL02202570	2-20	25	2.75	7.00	12	2.5:1	350	MK2
CBL02203070	2-20	30	3.0	7.00	12	2.5:1	425	MK3
CBL02203570	2-20	35	3.25	7.00	12	2.5:1	500	MK4
CBL02223250	2-22	32	3.0	5.00	5	2.5:1	400	MK3
CBL02224240	2-22	42	3.25	4.00	5	2.5:1	475	MK4
CBL02261590	2-26.5	15	2.5	9.00	12	2.5:1	275	MK2
CBL02262290	2-26.5	22	3.0	9.00	12	2.5:1	400	MK2
CBL02262990	2-26.5	29	3.5	9.00	12	2.5:1	500	MK3
CBL02261490	2-26.5	14	2.5	9.00	15	2.5:1	375	MK2
CBL02262190	2-26.5	21	3.0	9.00	15	2.5:1	500	MK2
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
CBL02501411	2-50	14	3.0	11.00	10	2.5:1	200	MK3



## 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
CBL02502011	2-50	20	3.5	11.00	10	2.5:1	300	MK3
CBL02053215	2.6-5.2	32	1.25	1.50	10	2.0:1	150	HN3
CBL03052015	3-5	20	0.75	1.50	10	2.0:1	125	HN3
CBL03062560	3-6	25	1.0	6.00	10	2.5:1	200	HN3
CBL03085530	3-8	55	1.5	3.00	10	2.0:1	200	HN4
CBL03115050	3-11	50	3.0	5.00	10	2.0:1	250	HN4
CBL03261460	3-26.5	14	3.0	6.00	10	2.0:1	300	HN2
CBL03051635	3.4-5.8	16	1.0	3.50	10	2.0:1	125	HN2
CBL03082030	3.5-8.5	20	1.0	3.00	20	2.0:1	125	HN3
CBL03144055	3.5-14.5	40	0.3	5.50	13	2.0:1	600	HN5
CBL03144655	3.5-14.5	46	2.0	5.50	13	2.0:1	600	HN4
CBL03145255	3.5-14.5	52	2.0	5.50	13	2.0:1	475	HN5
CBL03145655	3.5-14.5	56	2.0	5.50	13	2.0:1	475	HN5
CBL03074020	3.6-6.7	40	1.0	2.00	10	2.0:1	175	HN4
CBL03142040	3.7-14.5	20	2.0	4.00	12	2.0:1	150	HN3
CBL03143040	3.7-14.5	30	2.5	4.00	12	2.0:1	225	HN4
CBL03144040	3.7-14.5	40	3.0	4.00	12	2.0:1	300	HN5
CBL03141940	3.7-14.5	19	2.0	4.00	18	2.0:1	150	HN3
CBL03141940	3.7-14.5	29	2.5	4.00	18	2.0:1	225	HN4
CBL03143940	3.7-14.5	39	3.0	4.00	18	2.0:1	300	HN5
CBL04083412	4-8	34	1.0	1.20	10	2.0:1	175	HN3
CBL04082115	4-8	21	1.5	1.50	8	2.2:1	110	HN3
CBL04082115	4-8	21	2.0	1.50	7	2.0:1	150	HN3
CBL04082915	4-8	29	1.5	1.50	15	2.2:1	180	HN3
CBL04083015	4-8	30	1.0	1.5	20	2.0:1	200	HN4
CBL04083020	4-8	30	0.5	2.00	13	1.5:1	200	HN4
CBL04083007	4-8	30	1.5	0.70	10	2.0:1	125	HN4
CBL04083025	4-8	30	1.5	2.50	18	2.0:1	230	HN4
CBL04083708	4-8	37	1.0	0.80	10	2.0:1	125	HN4
CBL04082430	4-8	24	1.0	3.00	12	2.0:1	180	HN3
CBL04083230	4-8	32	1.5	3.00	12	2.0:1	240	HN4
CBL04084007	4-8	40	1.5	0.70	10	2.0:1	150	HN4
CBL04084030	4-8	40	1.5	3.00	12	2.0:1	300	HN4
CBL04082330	4-8	23	1.0	3.00	18	2.0:1	250	HN3
CBL04083130	4-8	31	1.5	3.00	18	2.0:1	300	HN4
CBL04083930	4-8	39	1.5	3.00	18	2.0:1	350	HN4
CBL0485425	4-8	54	1.5	2.00	12	2.0:1	400	HN5
CBL04086015	4-8	60	1.75	1.50	10	2.0:1	150	HN5
CBL04101025	4-10.5	10	1.5	2.50	8	2.0:1	75	HN2



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CBL04101925	4-10.5	19	1.5	2.50	10	2.0:1	140	HN3
CBL04102825	4-10.5	28	1.5	2.50	13	2.0:1	200	HN4
CBL04104325	4-10.5	43	1.5	2.50	15	2.0:1	300	HN5
CBL04102340	4-10.5	23	1.25	4.00	12	2.0:1	250	HN3
CBL04103440	4-10.5	34	1.5	4.00	12	2.0:1	320	HN4
CBL04102240	4-10.5	22	1.25	4.00	18	2.0:1	300	HN3
CBL04103340	4-10.5	33	1.5	4.00	18	2.0:1	420	HN4
CBL04121340	4-12	13	0.75	4.00	13	2.0:1	200	MA2
CBL04122040	4-12	20	1.5	4.00	10	2.0:1	110	HN3
CBL04122225	4-12	22	1.0	2.50	10	2.0:1	175	HN3
CBL04122240	4-12	22	1.5	4.00	12	2.0:1	150	HN3
CBL04123015	4-12	30	2.0	1.50	10	2.5:1/ 2.3:1	200	HN4
CBL04123340	4-12	33	2.0	4.00	12	2.0:1	225	HN4
CBL04124440	4-12	44	2.5	4.00	12	2.0:1	300	HN5
CBL04122140	4-12	21	1.5	4.00	18	2.0:1	150	HN3
CBL04123240	4-12	32	2.0	4.00	18	2.0:1	225	HN4
CBL04124340	4-12	43	2.5	4.00	18	2.0:1	300	HN5
CBL04182050	4-18	20	3.5	5.00	10	2.5:1	185	HN4
CBL04183050	4-18	30	3.5	5.00	10	2.3:1	185	HN4
CBL04183024	4-18	30	2.0	2.80	10	2.3:1/2.0:1	180	HN4
CBL05064008	5-6	40	0.75	0.80	10	2.0:1	175	HN5
CBL05086020	5-8	60	1.5	2.00	10	2.0:1	225	HN6
CBL05102718	5-10	27	1.25	1.80	10	2.0:1	150	HN3
CBL05131025	5-13	10	1.5	2.50	10	2.0:1	75	HN2
CBL05132025	5-13	20	1.5	2.50	15	2.0:1	140	HN3
CBL05133225	5-13	32	1.5	2.50	15	2.0:1	180	HN4
CBL05132135	5-13	21	1.5	3.50	17	2.0:1	140	HN3
CBL05133135	5-13	31	1.5	3.50	19	2.0:1	290	HN4
CBL05134335	5-13	43	1.5	3.50	19	2.0:1	320	HN5
CBL05135235	5-13	52	1.5	3.50	19	2.0:1	380	HN5
CBL05152040	5-15	20	1.5	4.00	12	2.0:1	150	HN3
CBL05153040	5-15	30	2.0	4.00	12	2.0:1	225	HN4
CBL05154040	5-15	40	2.5	4.00	12	2.0:1	300	HN5
CBL05151940	5-15	19	1.5	4.00	18	2.0:1	150	HN3
CBL05152940	5-15	29	2.0	4.00	18	2.0:1	225	HN4
CBL05153940	5-15	39	2.5	4.00	18	2.0:1	300	HN5
CBL05134535	5.5-13.5	45	2.5	3.50	10	2.0:1	300	HN4
CBL05152530	5.8-15.6	25	3.0	3.00	10	2.0:1	150	HN4
CBL05145255	5.85-14.5	52	2.0	5.50	13	2.0:1	475	HN5
CBL06103525	6-10	35	1.0	2.50	15	2.0:1	250	HN4
CBL06105025	6-10	50	1.0	2.50	23	2.0:1	400	HN5





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CBL06122219	6-12	22	1.0	1.90	10	2.0:1	175	HN3
CBL06121025	6-12	10	1.0	2.50	8	2.0:1	75	HN2
CBL06122125	6-12	21	1.5	2.50	10	2.0:1	150	HN3
CBL06122925	6-12	29	1.5	2.50	10	2.0:1	175	HN4
CBL06124025	6-12	40	1.5	2.50	10	2.0:1	225	HN4
CBL06125025	6-12	50	1.5	2.50	10	2.0:1	275	HN5
CBL06122035	6-12	20	1.5	3.50	12	2.0:1	150	HN3
CBL06122835	6-12	28	1.25	3.50	12	2.0:1	200	HN4
CBL06123835	6-12	38	1.5	3.50	12	2.0:1	270	HN5
CBL06121935	6-12	19	1.0	3.50	18	2.0:1	200	HN3
CBL06122735	6-12	27	1.25	3.50	18	2.0:1	270	HN4
CBL06123735	6-12	37	1.5	3.50	18	2.0:1	340	HN5
CBL06141030	6-14	10	0.75	3.00	14	2.0:1	75	HN2
CBL06181023	6-18	10	1.5	2.30	8	2.0:1	80	HN3
CBL06181025	6-18	10	2.0	2.50	10	2.0:1	150	HN2
CBL06181225	6-18	12	1.0	2.50	15	2.3:1/ 2.1	120	HN2
CBL06181730	6-18	17	2.0	3.00	12	2.0:1	100	HN3
CBL06182025	6-18	20	1.5	2.50	8	2.0:1	150	HN3
CBL06182030	6-18	20	2.0	3.00	10	2.5:1	175	HN3
CBL06182525	6-18	25	1.5	2.50	13	2.0:1	190	HN4
CBL06182830	6-18	28	2.0	3.00	15	2.0:1	150	HN4
CBL06182840	6-18	28	2.0	4.00	20	2.0:1	450	HN4
CBL06182825	6-18	28	1.5	2.50	15	2.0:1	200	HN3
CBL06183225	6-18	32	1.5	2.50	15	2.0:1	275	HN4
CBL06183825	6-18	38	1.5	2.50	15	2.0:1	350	HN4
CBL06184425	6-18	44	1.5	2.50	15	2.0:1	420	HN4
CBL06183525	6-18	35	1.5	2.50	17	2.0:1	375	HN4
CBL06182527	6-18	25	1.5	2.70	8	2.0:1	190	HN3
CBL06183730	6-18	37	1.5	3.00	17	2.0:1	295	HN4
CBL06181430	6-18	14	1.5	3.00	13	2.0:1	140	HN2
CBL06182030	6-18	20	1.5	3.00	13	2.0:1	200	HN3
CBL06182630	6-18	26	1.5	3.00	15	2.0:1	260	HN3
CBL06183230	6-18	32	1.5	3.00	15	2.0:1	320	HN3
CBL06183830	6-18	38	1.5	3.00	15	2.0:1	440	HN4
CBL06184430	6-18	44	1.5	3.00	15	2.0:1	500	HN4
CBL06185030	6-18	50	1.5	3.00	15	2.0:1	350	HN5
CBL06181840	6-18	18	1.0	4.00	12	2.0:1	150	HN3
CBL06182740	6-18	27	2.0	4.00	12	2.0:1	220	HN3
CBL06183640	6-18	36	2.5	4.00	12	2.0:1	250	HN4
CBL06184040	6-18	40	3.0	4.00	12	2.0:1	320	HN4
CBL06184020	6-18	40	1.5	5.00	8	2.0:1	200	HN4
CBL06181740	6-18	17	1.5	4.00	18	2.0:1	220	HN3



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CBL06182640	6-18	26	2.0	4.00	18	2.0:1	290	HN3
CBL06183540	6-18	35	2.5	4.00	18	2.0:1	330	HN4
CBL06183940	6-18	39	3.0	4.00	18	2.0:1	400	HN4
CBL06201650	6-20	16	2.0	5.00	12	2.0:1	200	HN3
CBL06202350	6-20	23	2.0	5.00	12	2.0:1	250	HN3
CBL06203150	6-20	31	3.0	5.00	12	2.0:1	300	HN4
CBL06201550	6-20	15	2.0	5.00	17	2.0:1	235	HN2
CBL06202250	6-20	22	2.5	5.00	17	2.0:1	170	HN3
CBL06203050	6-20	30	3.0	5.00	17	2.0:1	170	HN4
CBL06204030	6-20	40	2.5	3.00	10	2.0:1	200	HN5
CBL07101440	7-10	14	1.5	4.00	14	1.5:1	100	HN3
CBL07103020	7-10	30	1.5	2.00	*	2.0:1	300	HN3
CBL07123020	7-12	30	1.0	2.00	15	2.0:1	150	HN4
CBL07123818	7-12	38	2.5	1.80	15	2.0:1	225	HN4
CBL07124030	7-12	40	1.0	3.00	13	2.0:1	200	HN4
CBL07121025	7-12.4	10	1.0	2.50	9	2.0:1	75	HN2
CBL07121825	7-12.4	18	1.5	2.50	15	2.0:1	125	HN3
CBL07122825	7-12.4	28	1.5	2.50	15	2.0:1	190	HN3
CBL07122825	7-12.4	38	1.5	2.50	15	2.0:1	315	HN4
CBL07124725	7-12.4	47	1.5	2.50	15	2.0:1	380	HN5
CBL07122230	7-12.4	22	1.5	3.00	20	2.0:1	260	HN3
CBL07123230	7-12.4	32	1.5	3.00	20	2.0:1	310	HN4
CBL07123630	7-12.4	36	1.5	3.00	20	2.0:1	350	HN4
CBL07183530	7.75-18	38	2.5	3.00	15	1.5:1	300	HN4
CBL08102020	8-10	20	0.5	2.00	12	2.0:1	75	HN3
CBL08112518	8-11	25	1.0	2.00	20	2.0:1	800	HN3
CBL08123015	8-12	30	1.25	1.50	10	2.0:1	150	HN3
CBL08123020	8-12	30	0.5	2.00	13	1.5:1	200	HN4
CBL08122225	8-12	22	1.0	2.50	10	2.0:1	100	HN3
CBL08122035	8-12	20	1.0	3.50	12	2.0:1	150	HN3
CBL08122835	8-12	28	1.25	3.50	12	2.0:1	200	HN3
CBL08123210	8-12	32	1.0	1.00	10	2.0:1	125	HN3
CBL08123314	8-12	32	0.75	1.40	10	2.0:1	150	HN4
CBL08123635	8-12	36	1.5	3.50	12	2.0:1	250	HN3
CBL08124235	8-12	42	1.75	3.50	12	2.0:1	300	HN4
CBL08121935	8-12	19	1.0	3.50	18	2.0:1	200	HN3
CBL08122735	8-12	27	1.25	3.50	18	2.0:1	250	HN3
CBL08123535	8-12	35	1.5	3.50	18	2.0:1	320	HN4
CBL08124018	8-12	40	1.75	1.80	12	2.0:1	500	HN4
CBL08124020	8-12	40	1.5	2.00	15	2.0:1	250	HN4
CBL08124135	8-12	41	1.75	3.50	18	2.0:1	390	HN4
CBL08162225	8-16	22	1.5	2.50	12	2.0:1	150	HN3



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CBL08181440	8-18	14	1.0	4.00	15	2.0:1	125	HN3
CBL08182022	8-18	20	2.0	2.20	10	2.0:1	160	HN3
CBL08182028	8-18	20	1.5	2.80	10	2.0:1	150	HN3
CBL08181940	8-18	19	1.5	4.00	12	2.0:1	150	HN3
CBL08182450	8-18	24	1.5	5.00	3.0	2.0:1	130	HN3
CBL08182522	8-18	25	2.0	2.20	15	2.0:1	180	HN3
CBL08182840	8-18	28	1.75	4.00	12	2.0:1	200	HN3
CBL08183140	8-18	31	1.0	4.00	15	2.0:1	175	HN4
CBL08183245	8-18	32	1.5	4.50	20	2.0:1	250	HN4
CBL08183540	8-18	35	3.0	4.00	10	2.0:1	300	HN4
CBL08183622	8-18	36	2.0	2.20	10	2.0:1	200	HN4
CBL08183740	8-18	37	2.0	4.00	12	2.0:1	250	HN4
CBL08184140	8-18	41	2.25	4.00	12	2.0:1	330	HN4
CBL08181840	8-18	18	1.5	4.00	18	2.0:1	220	HN3
CBL08182740	8-18	27	1.75	4.00	18	2.0:1	290	HN3
CBL08183640	8-18	36	2.0	4.00	18	2.0:1	330	HN4
CBL08184040	8-18	40	2.25	4.00	18	2.0:1	400	HN4
CBL08184340	8-18	43	1.25	4.00	15	2.0:1	250	HN5
CBL09125011	9-12.7	50	1.0	1.13	10	1.5:1	200	CW90-X
CBL09142527	9.9-14.1	25	1.5	2.70	10	2.0:1	150	HN3
CBL10154040	10-15	40	2.0	4.00	10	2.0:1	320	HN3
CBL10172860	10-17	28	1.5	6.00	10	2.0:1	175	HN3
CBL10201745	10-20	17	1.25	4.50	12	2.0:1	150	HN3
CBL10202245	10-20	22	1.5	4.50	12	2.0:1	200	HN3
CBL10203545	10-20	35	2.0	4.50	12	2.0:1	250	HN4
CBL10203945	10-20	39	2.0	4.50	12	2.0:1	300	HN4
CBL10201645	10-20	16	1.5	4.50	18	2.0:1	260	HN3
CBL10202545	10-20	25	2.0	4.50	18	2.0:1	340	HN3
CBL10203445	10-20	34	2.0	4.50	18	2.0:1	420	HN4
CBL10203845	10-20	38	2.25	4.50	18	2.0:1	500	HN4
CBL11155028	11-15	50	2.0	2.80	10	2.0:1	225	HN5
CBL11182665	11-18.0	26	2.0	7.00	20	2.0:1	475	HN4
CBL12181340	12-18	13	0.75	4.00	10	2.0:1	200	HN2
CBL12181528	12-18	15	1.0	2.80	13	2.0:1	140	HN2
CBL12181635	12-18	16	1.0	3.50	10	2.0:1	100	HN2
CBL12181850	12-18	18	1.25	5.00	20	2.0:1	200	HN3
CBL12181940	12-18	19	1.25	4.00	18	2.0:1	250	HN3
CBL12182028	12-18	20	1.0	2.80	13	2.0:1	190	HN3
CBL12182040	12-18	20	1.0	4.00	12	2.0:1	150	HN3
CBL12182240	12-18	22	1.0	4.00	10	2.0:1	200	HN3
CBL12182420	12-18	24	1.5	2.00	10	2.0:1	120	HN3
CBL12182628	12-18	26	1.0	2.80	15	2.0:1	260	HN3



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CBL12183228	12-18	32	1.0	2.80	15	2.0:1	310	HN4
CBL12183460	12-18	34	2.0	6.00	10	2.0:1	275	HN4
CBL12183618	12-18	36	1.5	1.80	10	2.0:1	150	HN4
CBL12183828	12-18	38	1.0	2.80	15	2.0:1	360	HN4
CBL12184428	12-18	44	1.0	2.80	15	2.0:1	410	HN5
CBL12182940	12-18	29	1.25	4.00	12	2.0:1	200	HN3
CBL12183840	12-18	38	1.5	4.00	12	2.0:1	250	HN4
CBL12184240	12-18	42	1.75	4.00	12	2.0:1	300	HN4
CBL12182840	12-18	28	1.5	4.00	18	2.0:1	300	HN3
CBL12183545	12-18	35	1.5	4.50	15	2.0:1	380	HN4
CBL12183740	12-18	37	1.75	4.00	18	2.0:1	350	HN4
CBL12201845	12-20	18	1.25	4.50	12	2.0:1	150	HN3
CBL12202445	12-20	24	1.5	4.50	12	2.0:1	200	HN3
CBL12203045	12-20	30	1.75	4.50	12	2.0:1	250	HN4
CBL12203645	12-20	36	2.0	4.50	12	2.0:1	300	HN4
CBL12202345	12-20	23	1.5	4.50	18	2.0:1	260	HN4
CBL12202945	12-20	29	1.75	4.50	18	2.0:1	340	HN4
CBL12203545	12-20	35	2.0	4.50	18	2.0:1	420	HN4
CBL12204045	12-20	40	2.25	4.50	18	2.0:1	500	HN5
CBL13165017	13-16	50	1.25	1.70	10	2.0:1	180	HN5
CBL15184018	15-18	40	0.75	1.80	10	2.0:1	200	HN3
CBL16182020	16-18	20	0.5	2.00	10	2.0:1	80	HN3
CBL16223070	16-22	30	3.0	7.00	20	2.0:1	450	HN4
CBL17212315	17-21	23	1.5	1.80	10	2.0:1	100	HN3
CBL17214518	17-21	45	2.0	1.85	10	2.0:1	250	HN4
CBL17221640	17-22	16	1.0	4.00	15	1.5:1	200	HN3
CBL17223325	17-22	33	1.5	2.50	10	2.0:1	150	HN3
CBL17273040	17-27	30	2.5	4.00	10	2.0:1	150	HN3
CBL17402580	17-40	25	3.0	8.00	18	2.5:1	500	MK2
CBL18215020	18-21	50	1.5	2.00	10	2.0:1	250	HN5
CBL18261535	18-26.5	15	4.0	3.50	10	2.5:1	100	MK1
CBL18262040	18-26.5	20	2.0	4.00	10	2.0:1	150	MK2
CBL18263030	18-26.5	30	2.5	3.00	10	2.2:1	250	MK2
CBL18262235	18-26.5	22	1.25	3.50	10	2.0:1	200	MK2
CBL18262270	18-26.5	22	2.0	7.00	19	2.0:1	500	MK2
CBL18262735	18-26.5	27	1.25	3.50	10	2.0:1	300	MK2
CBL18261850	18-26.5	18	1.0	5.00	10	2.0:1	200	MK2
CBL18262850	18-26.5	28	1.25	5.00	12	2.0:1	260	MK2
CBL18263550	18-26.5	35	1.5	5.00	12	2.0:1	310	MK3
CBL18264150	18-26.5	41	2.0	5.00	12	2.0:1	390	MK3
CBL18263150	18-26.5	31	1.75	5.00	15	2.0:1	500	MK2
CBL18263750	18-26.5	37	2.0	5.00	15	2.0:1	550	MK3



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CBL18261855	18-26.5	18	1.5	5.50	12	2.0:1	200	MK2
CBL18262455	18-26.5	24	2.5	5.50	12	2.0:1	250	MK2
CBL18263035	18-26.5	30	2.5	3.50	10	2.0:1	250	MK2
CBL18263055	18-26.5	30	2.5	5.50	12	2.0:1	300	MK2
CBL18263070	18-26.5	30	2.5	7.00	20	2.0:1	450	MK2
CBL18263555	18-26.5	35	2.5	5.50	12	2.0:1	350	MK3
CBL18263255	18-26.5	32	2.0	5.50	15	2.0:1	410	MK2
CBL18261755	18-26.5	17	1.5	5.50	15	2.0:1	300	MK2
CBL18262355	18-26.5	23	2.0	5.50	15	2.0:1	350	MK3
CBL18264728	18-26.5	47	3.5	2.80	18	2.0:1	300	MK4
CBL18264825	18-26.5	48	2.5	2.50	10	2.3:1	450	MK4
CBL18262355	18-26.5	50	3.0	3.50	10	2.5:1	450	MK4
CBL18402055	18-40	20	2.0	5.50	6	2.5:1	350	MK3
CBL18401375	18-40	13	2.0	7.50	10	2.5:1	225	MK1
CBL18401775	18-40	17	2.0	7.50	10	2.5:1	300	MK2
CBL18401775	18-40	17	2.5	7.50	13	2.5:1	450	MK2
CBL18401875	18-40	19	2.5	15.00	18	2.5:1	850	MK2
CBL18402075	18-40	20	2.5	7.50	10	2.5:1	375	MK2
CBL18402475	18-40	24	3.0	7.50	10	2.5:1	450	MK2
CBL18402550	18-40	25	*	5.00	10	2.0:1	325	MK2
CBL18402875	18-40	28	3.5	7.50	13	2.5:1	600	MK2
CBL18403475	18-40	34	3.5	7.50	13	2.5:1	675	MK3
CBL18404045	18-40	40	4.0	4.50	10	2.3:1	250	MK3
CBL18405045	18-40	50	4.0	4.50	10	2.3:1	350	MK4
CBL18401875	18-40	18	2.5	7.50	18	2.5:1	850	MK2
CBL18402545	18-40	25	2.0	4.50	10	2.5:1	200	HN3
CBL18402575	18-40	25	2.5	7.50	18	2.5:1	950	MK3
CBL18404545	18-40	45	2.5	4.50	10	2.5:1	300	MK3
CBL19212318	19-21	23	1.0	1.80	10	2.0:1	200	MK2
CBL20263040	20-26	30	1.75	4.00	25	2.0:1	800	MK2
CBL20303035	20-30	30	2.5	3.50	10	2.0:1	175	MK3
CBL20401575	20-40	15	2.0	7.50	10	2.5:1	280	MK2
CBL20402075	20-40	20	2.25	7.50	10	2.5:1	350	MK2
CBL20403075	20-40	30	2.75	7.50	10	2.5:1	470	MK2
CBL20403575	20-40	35	3.0	7.50	10	2.5:1	530	MK3
CBL20402575	20-40	25	2.5	7.50	10	2.5:1	410	MK2
CBL20406050	20-40	60	2.0	5.00	10	2.3:1	500	MK4
CBL22262540	22-26	25	2.5	4.00	15	2.0:1	200	MK2
CBL22422245	22-42	22	3.5	4.50	5	2.5:1	300	MK2
CBL25284525	25-28	40	1.5	2.50	10	2.5:1	150	MK3
CBL25285020	25-28	50	1.0	2.30	10	1.4:1	300	MK4
CBL26403028	26-40	30	2.5	2.50	10	2.0:1	150	MK2



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CBL26403028	26-40	30	2.5	2.80	10	2.5:1	200	MK2
CBL26403530	26-40	35	2.5	3.00	10	2.5:1	250	MK3
CBL26405028	26-40	40	4.0	2.80	10	2.0:1	400	MK3
CBL26407040	26-40	70	4.0	4.00	10	2.5:1	500	MK3 + MK3
CBL26402045	26.5-40	20	2.0	4.50	6	2.5:1	170	MK2
CBL26402270	26.5-40	22	2.5	7.00	20	2.0:1	500	MK2
CBL26403035	26.5-40	30	2.5	3.50	10	2.5:1	250	MK2
CBL26402040	26.5-40	20	3.0	4.00	8	2.0:1	200	MK2
CBL26402550	26.5-40	25	2.0	5.00	10	2.5:1	325	MK2
CBL26403050	26.5-40	30	2.0	5.00	10	2.5:1	400	MK2
CBL26403055	26.5-40	30	2.0	5.50	10	2.0:1	235	MK2
CBL26403070	26.5-40	30	2.5	6.00	20	2.0:1	750	MK2
CBL26401565	26.5-40	15	1.5	6.50	7	2.5:1	210	MK1
CBL26402065	26.5-40	20	2.0	6.50	7	2.5:1	250	MK2
CBL26402465	26.5-40	24	2.25	6.50	7	2.5:1	300	MK2
CBL26405040	26.5-40	50	3.5	4.00	10	2.5:1	375	MK4
CBL26402965	26.5-40	29	2.5	6.50	12	2.5:1	350	MK2
CBL26403565	26.5-40	35	3.0	6.50	12	2.5:1	400	MK3
CBL26402265	26.5-40	22	2.0	6.50	15	2.5:1	350	MK2
CBL26402270	26.5-40	22	2.5	6.00	20	2.0:1	500	MK2
CBL26403065	26.5-40	30	2.5	6.50	15	2.5:1	400	MK2
CBL31502545	31-50	25	2.0	4.50	8	2.0:1 typ	225	MV2
CBL32402535	32-40	25	2.0	3.50	10	2.0:1	200	MK2
CBL32353010	32-35	30	1.0	3.00	10	2.0:1	120	MK2
CBL32362525	33-36	25	1.5	2.70	10	2.0:1	150	MK2
CBL33364027	33-36	40	1.0	2.70	10	2.0:1	200	MK3
CBL33373040	33-37	30	2.0	4.00	10	2.0:1	170	MK3
CBL33381307	33-38	13	1.0	7.00	15	2.0:1	8V@200	MK1
CBL33501845	33-50	18	2.5	4.50	8	2.25:1	200	MVC2
CBL33504035	33-50	40	3.	4.00	5	2.5:1	100	MVC3
CBL34362029	34-36	20	1.0	3.50	10	2.0:1	100	MK2
CBL34392440	34-39	24	2.0	4.00	20	2.0:1	500	MK2
CBL33502045	33-50	20	2.0	4.50	5	2.0:1	200	MVC2
CBL35453035	35-45	30	2.5	3.50	10	2.0:1	150	MVC3
CBL39432035	39-43	20	2.5	4.00	5	2.0:1	TBD	MK2
CBL40462050	40-46	20	1.5	5.00	5	2.0:1	150	MVC2
CBL40502050	40-50	20	2.5	5.00	5	2.0:1	100	MVC2
CBL40503045	40-50	30	2.0	4.50	7	2.0:1	350	MVC2
CBL40603050	40-60	30	5.0	5.00	8	2.5:1	150	MVC3
CBL43452750	43-45	27	1.5	5.00	5	2.5:1/2.0:1	180	MVC2
CBL43463850	43-46	38	1.5	5.00	5	2.0:1	170	MVC4
CBL44464045	44-46	40	1.0	5.00	10	2.0:1	250	MVC4



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CBL50594045	50-59	38	2.50	5.50	8	2.5:1	200	MVC4
CBL50751560	50-75	15	4.0	6.00	8	2.5:1	150	MVC2
CBL50752050	50-75	20	4.0	5.00	8	2.5:1	200	MVC2
CBL50753550	50-75	35	5.0 typ	5.00	8	2.5:1	250	MVC3
CBL50754560	50-75	45	5.0 typ	6.00	8	2.0:1	300	MVC3+MVC1
CBL55654065	55-65	40	4.0	6.50	16	2.5:1/ 2.3:1	370	MVC3
CBL55682860	55-68	28	4.0	6.00	10	2.0:1	200	MVC2
CBL55682860	55-68	28	3.0	6.00	10	2.0:1	200	MVC2
CBL57652055	57-65	20	2.5	5.50	9	2.0:1	110	MVC2
CBL57651555	57-65	15	2.5	5.50	9	2.0:1	70	MVC2
CBL57652055	57-65	20	2.5	5.50	9	2.0:1	110	MVC2
CBL60674850	60-67	48	2.0 typ	5.00	8	2.5:1	0.9A	MVC4
CBL75782860	75-78	28	6.0	5.00	12	2.0:1	150	MW2
CBL75821260	75-82	12	2.0	6.00	0	2.0:1	100	MW2
CBL751101510	75-110	15	6.5	10.00	10	3.5:1	100	MW2
CBL77813506	77-81	35	1.5	6.50	*	2.0:1	150	MW2
CBL85971870	85-97	18	2.0	7.00	2	4/2.0:1 typ	100	MW2
CBL85972370	85-97	23	2.5	7.00	2	4/2.0:1 typ	150	MW2
CBL92962370	92-96	23	2.0	7.00	2	4/2.0:1 typ	150	MW2

ALL OF THE ABOVE SPECIFICATIONS ARE @ 25°C

OTHER FREQUENCY BANDS & NOISE FIGURES ARE ALSO AVAILABLE.

TEMPERATURE COMPENSATED & GAIN CONTROL AMPLIFIERS ARE ALSO AVAILABLE.

\*CONSULT THE FACTORY.

\*\*NF WILL BE HIGHER BELOW 0.3GHz

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.