

Hybrid Amplifiers

Cadeka designs and manufactures high-speed hybrid amplifiers using our internal thin film deposition process. These high performance amplifiers are direct replacements for National/Comlinear hybrid products. They offer a unique combination of speed, dynamic range, low distortion, and drive capability making them ideally suited for many high-end instrumentation, industrial, and military applications.



Part Number	-3dB Bandwidth (MHz)	Full Power BW (MHz @ Vpp)	2nd/3rd HD (dB @ MHz)	Optimal Gain Range (V/V)	Slew Rate (V/us)	Output (V, mA)
CLC103	230	80 @ 20	-48/-48 @ 20	±1 to ±40	6000	±11, 200
CLC104	1100	1050 @ 2	-47/-53 @ 100	fixed 14dB	-	-
CLC200	100	25 @ 20	-52/-58 @ 20	±1 to ±50	4000	±12, ±100
CLC206	200	70 @ 20	-59/-67 @ 20	+7 to +50/ -1 to -50	3400	±12, ±100
CLC207	260	100 @ 10	0.941176471	+7 to +50/ -1 to -50	2400	±12, ±150
CLC220	200	100 @ 10	-58/-62 @ 20	±1 to ±50	7000	±12, ±50
CLC231	185	95 @ 10	-57/-59 @ 20	±1 to ±5	3000	±12, ±100
CLC232	220	95 @ 10	-69/-69 @ 20	±1 to ±5	3000	±12, ±100
CLC300	105	45 @ 20	-	±1 to ±40	3000	±11, ±100
CLC560	215	120 @ 10	-62/-62 @ 20	+5 to +80	2600	±10, 210
CLC561	215	150 @ 10	-59/-62 @ 20	+5 to +80	3300	±10, 210
CLC600	1100	350 @ 8	-74/-64 @ 50	fixed 14dB	13000	±4.5, ±45
E103	150	-	-	±1 to ±40	6000	±11, ±200
E104	1100	-	-	fixed 14dB	4500	±1.6, ±40
E200	95	-	-	±1 to ±50	4000	±12, ±100
E220	190	-	-	±1 to ±50	7000	±12, ±50
E231	165	-	-	±1 to ±25	3000	±12, ±100
KE103	150	-	-	±1 to ±40	6000	±11, ±200
KE104	1100	-	-	fixed 14dB	4500	±1.6, ±40
KE200	95	-	-	±1 to ±50	4000	±12, ±100
KE220	190	-	-	±1 to ±50	7000	±12, ±50
KE231	165	-	-	±1 to ±25	3000	±12, ±100
KH103	230	80 @ 20	-48/-48 @ 20	±1 to ±40	6000	±11, 200
KH104	1100	1050 @ 2	-47/-53 @ 100	fixed 14dB	-	-
KH200	100	25 @ 20	-52/-58 @ 20	±1 to ±50	4000	±12, ±100
KH205	190	100 @ 10	-57/-68 @ 20	+7 to +50/ -1 to -50	2400	±12, ±50
KH206	200	70 @ 20	-59/-67 @ 20	+7 to +50/ -1 to -50	3400	±12, ±100
KH207	260	100 @ 10	0.941176471	+7 to +50/ -1 to -50	2400	±12, ±150
KH220	200	100 @ 10	-58/-62 @ 20	±1 to ±50	7000	±12, ±50
KH231	185	95 @ 10	-57/-59 @ 20	±1 to ±5	3000	±12, ±100
KH232	220	95 @ 10	-69/-69 @ 20	±1 to ±5	3000	±12, ±100
KH300	105	45 @ 20	-	±1 to ±40	3000	±11, ±100
KH560	215	120 @ 10	-62/-62 @ 20	+5 to +80	2600	±10, 210
KH561	215	150 @ 10	-59/-62 @ 20	+5 to +80	3300	±10, 210
KH563	215	150 @ 10	-59/-62 @ 20	+5 to +80	3300	±10, 210
KH600	1100	350 @ 8	-74/-64 @ 50	fixed 14dB	13000	±4.5, ±45