

High Voltage Interface/Driver ICs

Sink Only Outputs - Open Drain N-Channel

Device	Output Channels	Direction	Logic Configuration	Output		Package Options
				Operating Voltage (V)	Current per Channel (mA)	
<u>HV5122</u>	32	CCW	Serial to parallel converter with output enable and strobe	225	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
<u>HV5222</u>	32	CW	Serial to parallel converter with output enable and strobe	225	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
<u>HV5522</u>	32	CCW	Serial to parallel converter with latches, polarity, and blanking	220	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
<u>HV5530</u>	32	CCW	Serial to parallel converter with latches, polarity, and blanking	300	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
<u>HV5622</u>	32	CW	Serial to parallel converter with latches, polarity, and blanking	220	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
<u>HV5630</u>	32	CW	Serial to parallel converter with latches, polarity, and blanking	300	100	44-Lead PLCC (PJ)

Sink Only Outputs - Open Drain P-Channel

Device	Output Channels	Direction	Logic Configuration	Output		Package
				Operating Voltage (V)	Current per Channel (mA)	
<u>HV3922</u>	4	CW	Pin Diode Driver	-220	-1.7	20-Lead Ceramic side braze (C)
						28-Lead Quad Cerpac (DJ)
						28-Lead PLCC (PJ)
<u>HV4522</u>	32	CCW	Serial to parallel converter with latches, polarity, and blanking	-220	-60	44-Lead PLCC (PJ)
<u>HV4622</u>	32	CW	Serial to parallel converter with latches, polarity, and blanking	-220	-60	44-Lead PLCC (PJ)
<u>HV57009</u>	64	B	Current controlled driver with latches and blanking, two 32-bit shift registers	-85	Controllable to -2	80-Lead PQFP (PG)

High Voltage Interface/Driver ICs (cont.)

Source-Sink Outputs - Push-Pull

Device	Out-put Channels	Dir.	Logic Configuration	Out-put Voltage (V)	Output Current per Channel (mA)	Output Structure	Clock Rate max (MHz)	Bits	Out-puts On	Package Options
<u>HV3418</u>	64	Both	Serial to parallel converter with latches, polarity, and blanking	+180	±5.0	Push-Pull	6	1	All	80-Lead PQFP (PG)
<u>HV507</u>	64	Both	Serial to parallel converter with latches, polarity, and blanking	+300	±1.0	Push-Pull	8	1	All	80-Lead PQFP (PG)
<u>HV508</u>	2	-	H-Bridge output with two output voltage level selections and polarity	+45	+225 -270	Push-Pull H-Bridge	-	-	-	8-Lead SOIC (LG)
<u>HV513</u>	8	CW	Serial to parallel converter with latches, polarity, and blanking HI-Z and short circuit detect	+250	±20	Push-Pull	8	1	All	24-Lead SOW (WG) 32-Lead QFN (K7)
<u>HV514</u>	8	CW	Serial to parallel converter with data latches, channel polarity select, and blanking	+250	±20	Push-Pull	8	1	All	24-Lead SOW (WG)
<u>HV518</u>	32	CW	Serial to parallel converter with latches, enable, and strobe	+80	+1.0 -25	Push-Pull	6	1	All	40-Lead DIP (P) 44-Lead PLCC (PJ)
<u>HV5308B</u>	32	CW	Serial to parallel converter with latches, and output enable	+80	±20	Push-Pull	8	1	All	44-Lead PQFP (PG) 44-Lead PLCC (PJ)
<u>HV5408B</u>	32	CCW	Serial to parallel converter with latches, and output enable	+80	±20	Push-Pull	8	1	All	44-Lead PQFP (PG) 44-Lead PLCC (PJ)
<u>HV574</u>	80	Both	Serial to parallel converter with latches, polarity, and blanking	+80	+15 -30	Push-Pull	25	4	All	100-Lead PQFP (PG)
<u>HV57708</u>	64	Both	EL driver with latches, polarity, and blanking with four 16-bit shift registers	+80	+12 -15	Push-Pull	6	4	All	80-Lead PQFP (PG)
<u>HV57908</u>	64	Both	EL or plasma driver w/ latches, blanking, polarity, and single shift register	+80	+12 -15	Push-Pull	8	1	All	80-Lead PQFP (PG)
<u>HV5812</u>	20	CW	Serial to parallel converter with latches, blanking and strobe	+80	+1.0 -25	Push-Pull	5	1	All	28-Lead DIP (P) 28-Lead PLCC (PJ) 28-Lead SOW (WG)
<u>HV583</u>	128	Both	Serial to parallel converter with latches, enable, and blanking	+80V	±20	Push-Pull	40	1	All	Die only

High Voltage Interface/Driver ICs (cont.)

Source-Sink Outputs - Push-Pull

Device	Out-put Channels	Dir.	Logic Configuration	Out-put Voltage (V)	Output Current per Channel (mA)	Output Structure	Clock Rate max (MHz)	Bits	Out-puts On	Package Options
<u>HV632</u>	32	Both	Serial to parallel converter with latches, polarity, and blanking	+80	±4.0	Gray Shade PWM	10	8	All	64-Lead PQFP (PG)
<u>HV633</u>	32	Both	Amplitude modulated gray shade column driver with 128 output levels	+80	±7.0	Gray Shade Level	12	7	All	64-Lead PQFP (PG)
<u>HV66</u>	32	CW	Serial to parallel converter with latches, polarity, and blanking HI-Z and short circuit detect	+60	±5.0	Push-Pull	5	1	All	44-Lead PQFP (PG) 44-Lead PLCC (PJ)
<u>HV6810</u>	10	Both	Serial to parallel converter with data latches, channel polarity select, and blanking	+80	+25	Push-Pull	5	1	All	20-Lead PLCC (PJ) 20-Lead SOW (WG)
<u>HV7022C</u>	34	Both	Serial to parallel converter with latches, enable, and strobe	+230	±70 (min)	Push-Pull	4	1	One	44-Lead PLCC (PJ)
<u>HV7224</u>	40	CW	Serial to parallel converter with latches, and output enable	+240	±70 (min)	Push-Pull	3	1	One	64-Lead PQFP (PG)
<u>HV7620</u>	32	Both	Serial to parallel converter with latches, and output enable	+200	±50 (min)	Push-Pull	10	4	All	64-Lead PQFP (PG)
<u>HV9308</u>	32	CW	EL or plasma panel driver with latches and output enable	+80	+5.0 -20	Push-Pull	8	1	All	44-Lead PLCC (PJ)
<u>HV9408</u>	32	CCW	EL or plasma panel driver with latches and output enable	+80	+5.0 -20	Push-Pull	8	1	All	44-Lead PLCC (PJ)
<u>HV9708</u>	32	CW	EL or plasma panel driver with latches, polarity and blanking	+80	+5.0 -20	Push-Pull	8	1	All	44-Lead PLCC (PJ)
<u>HV9808</u>	32	CCW	EL or plasma panel driver with latches, polarity and blanking	+80	+5.0 -20	Push-Pull	8	1	All	44-Lead PLCC (PJ)