

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)	
HV5122	32	CCW	Serial to parallel converter with output enable and strobe	225	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
HV5222	32	CW	Serial to parallel converter with output enable and strobe	225	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
HV5522	32	CCW	Serial to parallel converter with latches, polarity, and blanking	220	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
HV5523	32	CCW	Serial to parallel converter with latches, polarity, and blanking	220	100	44-Lead QFN (K7)
HV5530	32	CCW	Serial to parallel converter with latches, polarity, and blanking	300	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
HV5622	32	CW	Serial to parallel converter with latches, polarity, and blanking	220	100	44-Lead PQFP (PG)
						44-Lead PLCC (PJ)
HV5623	32	CW	Serial to parallel converter with latches, polarity, and blanking	220	100	44-Lead QFN (K7)
HV5630	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)	
HV4522	32	CCW	Serial to parallel converter with latches, polarity, and blanking	-220	-60	44-Lead PLCC (PJ)
HV4622	32	CW	Serial to parallel converter with latches, polarity, and blanking	-220	-60	44-Lead PLCC (PJ)
HV57009	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 Volt-age (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 Volt-age (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)