

High Voltage Telecommunication ICs

Electronic Line Switch ICs

Device	Switch Resistance (Ω)	Maximum Breakdown (V)	Package	Application Notes
HT0638	15	375	8-Lead SOIC (LG)	AN-H32
HT18 HT19	18	350	8-Lead SOIC (LG)	AN-H39

Ring Generator ICs

Device	Ring Voltage (max V _{RMS})	Output Load max (REN)	High Voltage Supplies		PWM Function	Package	Application/ Design Notes
			Positive	Negative			
HV430	105	50	Yes	Yes	External	20-Lead SOIC (WG)	AN-H42
HV440	70	5 or 20	Yes	Yes	External	16-Lead SOIC (WG)	AN-H37
HV461	105	40	No	No	Built-in	48-Lead LQFP (FG)	DN-H07

Hotswap Controller ICs/ Inrush Current Limiters/ Circuit Breaker ICs

Device	UV/OV Protection	Circuit Breaker	Auto Retry	Type	Input Voltage max (V)	UV Threshold Voltage (V)	Supply Current max (mA)	Number of Channels	Package
HV100	UV	Until C-Load Fully Charged	Yes	Negative Rail Break, High Voltage	±72	34 (typ)	1.0	1	3-Lead SOT-223 (K5)
HV101	UV	Until C-Load Fully Charged	Yes	Negative Rail Break, High Voltage	±72	14	1.0	1	3-Lead SOT-223 (K5)

High Voltage Level Translator ICs

Device	Channels	Input Voltage		Output Voltage		Input to Output Isolation (V)	Package
		Low (V)	High (V)	Low (V)	High (V)		
HT0440	2	3.15	5.5	6.0	10	±400	8-Lead SOIC (LG)
HT0740	1	3.15	5.5	4.5	8.5	±400	8-Lead SOIC (LG)

MEMS Drivers/ High Voltage Array Amplifier ICs

Device	HV _{OUT} max (V)	Quiescent Current I _{PP} /channel (μA)	Slew Rate (V/μs)	Closed Loop Gain (V/V)	Feed-back Resistance (MΩ)	HV _{OUT} Current Capability Max			Configuration	Output Current Limit	Package	Demoboard
						Source (μA)	Sink (μA)	Capacitive Load (pF)				
HV254	250	45	3	50	12	300	300	100	Amp Only	No	100-Lead MQFP (FG)	HV254DB1
HV256	295	15	2	72	12	715	715	3000	Amp Only	Yes	100-Lead MQFP (FG)	HV256DB1
HV257	295	15	2	72	12	500	500	3000	Amp with S/H	Yes	100-Lead MQFP (FG)	HV257DB2