

Ultrasound Transmit ICs

Ultrasound Transmit Pulser ICs

Device	Channels	Voltage (V)	Current (A)	Features	Driver	Package	Demoboards
HV738	4-channel	±65	±0.75	Built-in coupling, 4 current modes	Monolithic	48-Lead QFN (K6)	HV738DB1
HV748	4-channel	±75	±1.25	Built-in coupling, 4 current modes	Monolithic	48-Lead QFN (K6)	HV748DB1
HV7331	4-channel	±70	±2.00	Built-in coupling, 2 current modes	Monolithic	64-Lead QFN (K6)	HV7331DB2
HV7355	8-channel	5.0 - 150	±1.50	Built-in coupling, 2 current modes	Monolithic	56-Lead QFN (K6)	HV7355DB1
HV7360	1-channel	±100	±2.50	Built-in coupling capacitors	Hybrid	22-Lead LFGA (LA)	HV7360DB1
HV7361	1-channel	±100	±2.50	Built-in T/R switch, 8 capacitors	Hybrid	22-Lead LFGA (LA)	HV7361DB1

Ultrasound Beamformer Source Driver ICs

Device	Resolution	Amplitude Control	Apodization	Input Voltage (V)	Typical Delay Time (ns)	Output Current (A)	Package	Demoboards
MD2131	7.5° Phase	PWM	8-Bit SPI	2.5	4.0	0 - 3.0	40-Lead QFN (K6)	MD2131DB1
MD2134	±127 Steps	PAM	8-Bit SPI	2.5	4.0	0 - 3.0	40-Lead QFN (K6)	MD2134DB1

Ultrasound Continuous Wave (CW) Transmit ICs

Device	# Channels	Phase Noise (dBC)	Maximum R _{ON} (Ω)	Output N-channel Breakdown Voltage (V)	Output N-channel Capacitance (pF)	Package	Demoboards
CW01	4-channel	-160	7.0	+100	4.0	24-Lead QFN (K6)	CW01DB1