

## ■ CURRENT DRIVERS

Model No.	No. of circuits	Output current (mA) MAX.	Output voltage (V)	Darlington structure	Output clamp diode	Negative input voltage protective diode	Package
IR2C05*	6	-50	60	—	—	—	16DIP
IR2419	6	400	45	○	○	—	14DIP
IR2C07	7	-100	16	—	—	—	16DIP
IR2403/N	7	400	45	○	—	—	16DIP/18MFP
IR2411	7	400	45	○	○	—	16DIP
IR2422	7	400	45	○	○	○	16DIP

\* High withstand voltage: 60 V MAX.

## ■ OPERATIONAL AMPLIFIERS

Model No.	No. of circuits	Description	Supply voltage (V) MAX.	Input bias current (nA) MAX.	Package	Equivalent
IR9358/N	2	General purpose	36, ±18	150	8DIP/8SOP	LM358
IR9022/N	2	Low power	±18	250	8DIP/8SOP	TL022

## ■ COMPARATORS

Model No.	No. of circuits	Description	Supply voltage (V) MAX.	Input bias current (nA) MAX.	Package	Equivalent
IR3G03N	1	High speed	±5.5	300	8SOP	MAX909
IR9393/N	2	General purpose	36, ±18	250	8DIP/8SOP	LM393
IR2339/N	4	General purpose	36, ±18	250	14DIP/14SOP	LM339

## ■ ICs FOR REGULATORS

Shunt regulator	Model No.	Reference voltage (V)	Output voltage (V)	Shunt current (mA) MAX.	Package	Equivalent
	IR9431/N	2.495 ±0.037	Vref to 36	100	8DIP/8SOP	TL431

DC/DC converter	Model No.	Control system	Oscillation frequency (kHz)	Peak current (mA) MAX.	Package	Equivalent
	IR3M03A/AN	V/F	0.1 to 100	1 800/1 500	8DIP/8SOP	MC34063P1
	IR3M09N	PWM	40 to 1 200	100	12SSOP	—

Switching regulator	Model No.	Control system	Oscillation frequency (kHz)	Output current (mA) MAX.	Package	Equivalent
	IR3M02A/AN	PWM	1 to 300	250	16DIP/16SOP	MB3759

Divided voltage generator for LCD drive	Model No.	Number of circuits	Supply voltage (V) MAX.	Bias ratio	Supply current (mA) MAX.	Package	Remarks
	IR3E05	5	42	1/5 to 1/20	0.7	20 MFP	—
	IR3E05A*	5	42	1/5 to 1/20	0.7	20 MFP	Output current limiting circuit

\* Low power consumption type

## ■ V/F CONVERTERS

Application	Model No.	Linearity (%) MAX.	Input voltage (V)	Full-scale frequency (kHz) MAX.	Output circuit	Supply voltage (V)	Package
General purpose	IR9331/N	0.01	Vcc -2	100	NPN open collector	4 to 40	8DIP/8SOP

## ■ LED LEVEL METER DRIVERS

Model No.	Dots	Display mode	Scale	Remarks		Package	LED series for level display
IR2E02	7	Bar	VU	-20 to +6 dB		16DIP	GL107R8/GL107R12
IR2433	12	Bar	Linear	12 STEPS	Cascade connectable (up to 144-dot)	22DIP	GL112R9/GL112R13