



ICs FOR VISUAL EQUIPMENT

◆ Features

- ICs for various visual equipment are available including a single-chip microcomputer for TV channel selection with display function, AV switches and those for RGB interface.

Model No.	Description	Function	Supply voltage (V)	Package
☆ IR3Y41N	High-speed sample hold for LCD projector	6 ch high-speed sample hold (through rate: 360 V/μs (MIN.), output DC bias adjustable)	5, 15	40SSOP
LR3796X	TV channel selection 8-bit microcomputers	16k × 8-bit ROM for on-screen display	5±10%	64SDIP
LR3797X		32k × 8-bit ROM for on-screen display	5±10%	52SDIP/64SDIP/80QFP
LR3794X		62k × 8-bit ROM for on-screen display	5±10%	64SDIP/80QFP
LH50511/M	High-speed D/A converters	Resolution: 8-bit 2ch., conversion rate: 20 MHz (at 5 V)	3 to 5.25	36QFP/48QFP *

* 0.5 mm pin-pitch

LASER DIODE DRIVERS

Model No.	Application	Drive system	Laser diode driving current (mA) MAX.	Maximum switching frequency (MHz)	Applicable SHARP diode type	Supply voltage (V)	Package
IR3C07/N	Compact disk player (built-in analog APC function)	DC mode	150	—	P, W	+5	8DIP/8SOP
IR3C08/N	Laser printer (Built-in digital APC function)	Pulse mode	100	20 (MIN.)	M	+5	24SDIP/24SOP
IR3C09			112	20 (MIN.)	P	+5	30SDIP
IR3C14	For MD	—	100	—	—	2.4 to 3.3	8SSOP

MOTOR DRIVER

Model No.	Description	Output current (mA) MAX.	Output configuration	Output-on resistance (Ω) TYP.	Supply voltage (V)	Package
IR2C69	Stepping motor driver	±400	Complementary	1.9	4.0 to 6.0	16SOP

PRINTER DRIVER

Model No.	Description	Output current (mA) MAX.	Output configuration	Output-on resistance (Ω) TYP.	Supply voltage (V)	Package
IR2C71	128-dot thermal head driver	28, -14	N, P open drain	15, 50	+5, +24	COB

PDP DRIVERS

Model No.	Description	Output current (mA) MAX.	Output configuration	Supply voltage (V)	Maximum ratings supply voltage (V)	Package
IR2C80	96-output data driver	±40	Tristate push-pull	5±10%	85	COB
IR2C81M	64-output data driver	±40	Push-pull	5±10%	100	100QFP

LED PANEL DRIVERS

Model No.	Function	Clock (MHz) MAX.	Output current (mA) MAX.	Supply voltage (V)	Package
IR2C53/D	Serial input, for 16-dot LED panel, constant-current sink output	5	30	5±10%	30SDIP/ 28SDIP
IR2C68	Serial input, for 16-dot LED panel, constant-current source output	5	20	5.5 to 6.5	28SDIP

IC FOR SENSOR

Model No.	Description	Function	Supply voltage (V)	Package
IR4N21	Two-wire proximity switches interface	8-channel interface: Input-threshold adjustable, 3-state output	+5, +12	24SDIP