



★ Under development

■ AUTO FOCUS ICs

Model No.	Description	Output/Input elements	Supply voltage (V)	Package
IR3S87	Active type, built-in 1-bit solenoid driver	Infrared LED/PD ^{*2}	2.0 to 5.0	8SOP
IR3S71	Active type, 2-bit parallel output	Infrared LED/PSD ^{*1}	2.2 to 5.0	12SSOP
IR3S78	Active type, 4-bit parallel output	Infrared LED/PSD ^{*1}	2.2 to 5.0	20MFP
IR3S72	Active type, 8-bit serial output	Infrared LED/PSD ^{*1}	2.7 to 4.0	12SSOP
IR3S86	Active type, 11-bit serial output	Infrared LED/PSD ^{*1}	2.7 to 5.5	18MFP
IR3S85	Active type, three-beam 8-bit serial output	Infrared LED x 3/3-part PSD ^{*1}	2.7 to 3.5	20MFP

*1 PSD : Position Sensitive Detector

*2 PD: Photo Diode

■ SYSTEM CLOCK IC FOR PC

Model No.	Description	Function	Supply voltage (V)	Package
★ LH58111	System clock IC for PC	Output selectable from 75/66.66/60/55/50/68.22/61.48/51.37 MHz	3.3 (at 14.318 MHz input)	28QFP

■ BATTERY CHARGING CONTROLLER IC FOR NOTEBOOK PC

Model No.	Description	Main function	Supply voltage (V)	Package
★ SM8340	Smart battery charge controller IC	8-bit microcomputer, PWM output x 2, A/D, built-in I ² C bus	2.7 to 5.5	48QFP

■ ICs FOR PC MODEM

Model No.	Description	Function	Supply voltage (V)	Power consumption (mW) TYP.	Package
★LH9A2183 +	PC-FAX MODEM LSI set	<ul style="list-style-type: none"> • LH9A2183 : DSP for 33.6 kbps high-speed MODEM, easily upgradable to 56 kbps MODEM system • LH9A7331 : 16-bit A/D converter, 16-bit D/A converter 	3.3	250	LH9A2183: 128TQFP
★LH9A7331					LH9A7331: 20TSOP
LR49342	Single-chip, low power consumption PC-FAX MODEM	Facsimile/data communications function, voice recording/playback function	3.3	40	100TQFP*
LR49384	PC-FAX MODEM controller	Error correction function, AT command interpreter function, FAX-AT class 1 interpreter function	3.3	40	80QFP*

■ LSI FOR PIAFS CARD

Model No.	Description	Function	Supply voltage (V)	Power consumption (mW) TYP.	Package
★ LZ850851	For PIAFS 32 kbps PC card	PIAFS protocol, V42 bit compress/decompress, DTE I/F, PS I/F hardware, built-in UART	5 ±10%	25	100TQFP*

* Pin pitch: 0.5 mm

■ PLL SYNTHESIZER IC FOR CELLULAR PHONE

Model No.	Description	Function	Supply voltage (V)	Supply current (mA) TYP.	Package
★ LR38539	1.2 GHz/500 MHz 2ch PLL (800 MHz band)	2-ch PLL, built-in prescaler, swallow counter, phase comparator, charge pump, corresponding to PDC, GSM, ADC	3.0 ± 5%	2.5 (at 3.0 V)	20TSOP(III)*1, *2

*1 Normal bend

*2 Nominal dimensions: 4.4 mm