

◆ Surface Mount Device

RoHS Compliant This product is RoHS compliant.

Analog ICs

ROHM Semiconductor

ROHM SEMICONDUCTOR AMBIENT LIGHT SENSORS

ROHM's ambient light sensor ICs can detect wide range illuminance from dark to sunlight. It can output the illuminance data to adjust the brightness of the LCD display of an electronic equipment. It enables to reduce power consumption of equipments and improve visibility by controlling brightness of the LCD display and the keypad backlight. This lineup offers a various type of current output, comparator output, and digital output to meet various designs and application requirements.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Supply Voltage (V)	Output Type	Sensitivity Variations (%)	Price Each		
Mfr.	Mfr. Part No.					1	25	100
◆755	BH1600FVC-TR	WSOF6	2.4-3.6	Current (Source)	±35	1.14	.95	.76
◆755	BH1603FVC-TR	WSOF6	2.4-5.5	Current (Source)	±15	.87	.72	.58
◆755	BH1620FVC-TR	WSOF6	2.4-5.5	Current (Source)	±15	1.23	1.02	.82
◆755	BH1710FVC-TR	WSOF6	2.4-3.6	I2C I/F	±38	2.59	2.07	1.75
◆755	BH1715FVC-TR	WSOF6	2.4-3.6	I2C I/F	±15	1.80	1.44	1.08
◆755	BH1721FVC-TR	WSOF5	2.4-3.6	I2C I/F	±15	2.39	1.91	1.49
◆755	BH1750FVI-TR	WSOF6	2.4-3.6	I2C I/F	±20	2.00	1.60	1.20

ROHM SEMICONDUCTOR D/A CONVERTERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Setting Time (nS)	Supply Voltage (V)	Channels	Price Each		
Mfr.	Mfr. Part No.					1	25	100
◆755	BH2219FVM-TR	MSOP	100	3	2	1.45	1.13	.848
◆755	BH2221FV-E2	SSOP	100	2.7/5.5	12	2.43	1.90	1.48
◆755	BH2223FV-E2	SSOP	100	2.7/5.5	10	2.25	1.76	1.32
◆755	BH2227FV-E2	SSOP	100	2.7/5.5	4	1.32	1.07	.858
◆755	BU2507FV-E2	SSOP	200	4.5/5.5	6	2.33	1.81	1.36

ROHM SEMICONDUCTOR COMPARATORS

ROHM offers comparators of all types, such as bipolar, CMOS, ground sense (single supply), dual supply, high voltage resistance, low noise, low saturation, low current consumption, and input/output full swing, to meet a variety of needs.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Power Supply (V)	Channels	Operating Temp. (°C)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
◆755	LM2903DR	SOIC8	3-36	2	-40 to 125	.52	.39	.292
◆755	LM2903DT	SO8	2-36	2	-40 to 125	.52	.39	.292
◆755	LM2903MX	SO8	2-36	2	-40 to 125	.52	.39	.292
◆755	LM2903VQDR	SOIC8	3-36	2	-40 to 85	.52	.39	.292
◆755	LM393DR	SOIC8	2-36	2	0 to 70	.52	.39	.292
◆755	LM393DT	SO8	2-36	2	0 to 70	.52	.39	.292
◆755	LM393MX	SO8	2-36	2	0 to 70	.52	.39	.292
◆755	LM393WDT	SO8	2-36	2	0 to 70	.56	.42	.292

ROHM SEMICONDUCTOR AC/DC CONVERTERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Input Voltage (V)	Output Current (mA)	Output Voltage (V)	Price Each		
Mfr.	Mfr. Part No.					1	25	100
◆755	BP5034D12	SIP10	141	100	12	3.15	2.46	1.92
◆755	BP5034D5	SIP10	141	100	5	7.70	6.02	5.25
◆755	BP5037B12	SIP10	141	200	12	3.15	2.46	1.92
◆755	BP5039B12	SIP12	141	300	12	4.05	3.16	2.43
◆755	BP5041A15	SIP10	390	80	16	5.14	4.01	3.46
◆755	BP5041A5	SIP10	282	100	5	5.14	4.01	3.46
◆755	BP5063-5	SIP10	141	200	5	6.98	5.44	4.53
◆755	BP5067-12	SIP12	141	350	12	5.36	4.18	3.22

ROHM SEMICONDUCTOR DC/DC CONVERTERS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Input Voltage (V)	Output Current (mA)	Output Voltage (V)	Price Each		
Mfr.	Mfr. Part No.					1	25	100
◆755	BP5220A	SIP9	8/38	1000	5	6.00	4.56	3.47
◆755	BP5221A	SIP9	8/38	500	5	5.24	4.09	3.10

ROHM SEMICONDUCTOR REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Output Current (A)	Output Voltage (V)	Price Each		
Mfr.	Mfr. Part No.				1	25	100
Linear							
755	BA00BC0WT	TO220FP5	1.5	1.5/12	1.26	1.02	.819
755	BA03CC0T	TO220FP3	1	3.3	1.41	1.15	.917
755	BA05CC0T	TO220FP3	1	5	1.41	1.15	.917
◆755	BA18BC0FP-E2	TO2523	1	1.8	1.17	.95	.761
◆755	BA33BC0FP-E2	TO2523	1	3.3	1.02	.83	.663
◆755	BA50BC0FP-E2	TO2523	1	5	1.10	.99	.838
◆755	BH28FB1WG-TR	SSOP5	150m	2.8	.81	.63	.474
◆755	BH33MA3WHFV-TR	HVSO6	300m	3.3	.64	.48	.36
◆755	BH33NB1WHFV-TR	HVSO5	150m	3.3	.64	.48	.36
Low Dropout							
755	BD00CA3BC0T	TO220FP3	1	3	1.02	.83	.663
755	BD00CA3BC0T	TO220FP3	1	3.3	1.02	.83	.663
755	BD00CA5BC0T	TO220FP3	1	5	1.02	.83	.663
◆755	BD00KA5WF-E2	SO8	0.5	Variable	.96	.70	.527
◆755	BD00KA5WF-E2	TO252	0.5	Variable	.96	.70	.527
◆755	BD10KA5WF-E2	SO8	0.5	1	.75	.63	.50
◆755	BD10KA5WF-E2	TO2525	0.5	1	.75	.63	.50
◆755	BD12KA5WF-E2	SO8	0.5	1.2	.75	.63	.50
◆755	BD12KA5WF-E2	TO2525	0.5	1.2	.75	.63	.50
◆755	BD15KA5WF-E2	SO8	0.5	1.5	.75	.63	.50

ROHM SEMICONDUCTOR REGULATORS (CONT.)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	Output Current (A)	Output Voltage (V)	Price Each		
Mfr.	Mfr. Part No.				1	25	100
Low Dropout (Cont.)							
◆755	BD15KA5WF-E2	TO2525	0.5	1.5	.75	.63	.50
◆755	BD18KA5WF-E2	SOP8	0.5	1.8	.75	.63	.50
◆755	BD18KA5WF-E2	TO2525	0.5	1.8	.75	.63	.50
◆755	BD25KA5WF-E2	SO8	0.5	2.5	.75	.63	.50
◆755	BD25KA5WF-E2	TO2525	0.5	2.5	.75	.63	.50
◆755	BD30KA5WF-E2	SO8	0.5	3	.75	.63	.50
◆755	BD30KA5WF-E2	TO2525	0.5	3	.75	.63	.50
◆755	BD33KA5WF-E2	TO252	0.5	3.3	.96	.70	.527
◆755	BU15TA2WNVX-TR	SSON004x1216	0.2	1.5	.64	.48	.36
◆755	BU18TA2WNVX-TR	SSON004x1216	0.2	1.8	.64	.48	.36
◆755	BU25TA2WNVX-TR	SSON004x1216	0.2	2.5	.64	.48	.36
◆755	BU26TA2WNVX-TR	SSON004x1216	0.2	2.6	.64	.48	.36
◆755	BU27TA2WNVX-TR	SSON004x1216	0.2	2.7	.64	.48	.36
◆755	BU28TA2WNVX-TR	SSON004x1216	0.2	2.8	.64	.48	.36
◆755	BU29TA2WNVX-TR	SSON004x1216	0.2	2.9	.64	.48	.36
◆755	BU2TA2WNVX-TR	SSON004x1216	0.2	2.85	.64	.48	.36
◆755	BU30TA2WNVX-TR	SSON004x1216	0.2	3	.64	.48	.36
◆755	BU31TA2WNVX-TR	SSON004x1216	0.2	3.1	.64	.48	.36
◆755	BU32TA2WNVX-TR	SSON004x1216	0.2	3.2	.64	.48	.36
◆755	BU33TA2WNVX-TR	SSON004x1216	0.2	3.3	.64	.48	.36
◆755	BU34TA2WNVX-TR	SSON004x1216	0.2	3.4	.64	.48	.36
Switching							
755	BD9001F-E2	SOP8	2	1-48	2.13	1.70	1.27
755	BD9006F-E2	HRP7	2	1-35	3.42	2.73	2.12
755	BD9006HFP-TR	SOP8	2	1-35	3.53	2.82	2.19
755	BD9007F-E2	SOP8	2	1-35	2.93	2.34	1.82
755	BD9007HFP-TR	HRP7	2	1-35	3.04	2.43	1.89
◆755	BD9040FV-E2	SSOPB20	±1	5.5	1.97	1.58	1.17
◆755	BD9045FV-E2	SSOPB28	±1	5.5	2.59	2.07	1.61
755	BD9104FVM-TR	MSOP8	0.9	3.3	1.50	1.17	.878
755	BD9106FVM-TR	MSOP8	0.8	Variable	1.35	1.08	.81
755	BD9107FVM-TR	MSOP8	1.2	Variable	1.35	1.08	.81
755	BD9109FVM-TR	MSOP8	0.8	3.3	1.25	1.00	.885
755	BD9110NV-E2	SONV56	2	Variable	1.75	1.40	1.05
755	BD9111NV-E2	SONO	2	3.3	1.75	1.40	1.05
755	BD9120HFN-TR	HSON8	0.8	1-1.5	1.28	1.02	.88
755	BD9130EFJ-E2	HTSOP	2	1-2.5	1.40	1.12	.84
755	BD9130NV-E2	SON8	2	Variable	1.63	1.30	.975
755	BD9132MUV-E2	VQFN	3	1-2.5	1.83	1.46	1.09
755	BD9134MUV-E2	VQFN	3	3.3	1.93	1.54	1.15
755	BD9141MUV-E2	VQFN	2	Variable	2.25	1.80	1.35
◆755	BD9150MUV-E2	VQFN	1.5	Variable	2.48	1.98	1.54
◆755	BD9152MUV-E2	VQFN	1.5	Variable	2.48	1.98	1.54
◆755	BD95500MUV-E2	VQFN40	6	0.7-5	4.05	3.24	2.52
755	BD95513MUV-E2	VQFN	3	0.7-5	3.76	3.00	2.33
755	BD9701CP-V5E2	TO220CPV5	1.5	1-(Vcc-3)	2.20	1.76	1.32
755	BD9703CP-V5E2	TO220CPV5	1.5	1-(Vcc-3)	1.97	1.58	1.17
◆755	BD9703FP-E2	TO252	1.5	1-(Vcc-3)	2.17	1.74	1.30
◆755	BD9778F-E2	SOP8	2	1-35	2.41	1.88	1.47
◆755	BD9778HFP-TR	HRP7	2	1-35	2.70	2.11	1.65
◆755	BD9781HFP-TR	HRP7	4	1-35	3.98	3.11	2.40
◆755	BD9870FPS-E2	TO252S5	1.5	0.8x(Vcc-IoxRon)	1.50	1.20	.90

ROHM SEMICONDUCTOR LARGE CURRENT SWITCHING REGULATORS

ROHM's large current external FET controller type switching regulators are compatible with virtually all switching power supply applications due to their wide input voltage range, multi-operation capability (step-up/negative voltage/step-down), and flexible operating frequency.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Package	No. of Outputs	Supply Voltage (V)	Reference Voltage Accuracy (%)	Price Each		
Mfr.	Mfr. Part No.					1	25	100
◆755	BD8303MUV-E2	VQFN	1	2.7-14.0	±1.25	2.43	1.94	1.46
◆755	BD9305AFVM-TR	MSOP8	1	4.2-18.0	±1.6	1.47	1.22	.98
◆755	BD9306AFVM-TR	MSOP8	1	4.2-18.0	±1.5	1.47	1.22	.98
◆755	BD9533EKN-E2	HQFN	1	4.5-28.0	±1	1.68	1.34	1.00
◆755	BD9535MUV-E2	VQFN	2	3.0-28.0	±1	2.50	2.00	1.47
◆755	BD9842FV-E2	SSOPB20	2	3.6-35.0	±1	1.88	1.50	1.12
◆755	BD98							