

ROHM SEMICONDUCTOR Integrated Circuits

ROHM
SEMICONDUCTOR

◆ Surface Mount Device

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.



This product is RoHS compliant.



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Package	Supply Voltage (V)	Output Type	Sensitivity Variations (%)	Price Each		
							1	25	100
◆755-BH1600FVC-TR	WSOF6		WSOF6	2.4-3.6	Current (Source)	±35	1.14	.95	.76
◆755-BH1603FVC-TR	WSOF6		WSOF6	2.4-5.5	Current (Source)	±15	.87	.72	.58
◆755-BH1620FVC-TR	WSOF6		WSOF6	2.4-5.5	Current (Source)	±15	1.23	1.02	.82
◆755-BH1710FVC-TR	WSOF6		WSOF6	2.4-3.6	I2C I/F	±38	2.59	2.07	1.75
◆755-BH1715FVC-TR	WSOF6		WSOF6	2.4-3.6	I2C I/F	±15	1.80	1.44	1.08
◆755-BH1721FVC-TR	WSOF5		WSOF5	2.4-3.6	I2C I/F	±15	2.39	1.91	1.49
◆755-BH1750FVI-TR	WSOF6		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.	Mfr.	Mfr. Part No.	Package	Setting Time (ns)	Supply Voltage (V)	Channels	Price Each		
							1	25	100
◆755-BH2219FVM-TR	MSOP		MSOP	100	3	2	1.45	1.13	.848
◆755-BH2221FV-E2	SSOP		SSOP	100	2.7/5.5	12	2.43	1.90	1.48
◆755-BH2223FV-E2	SSOP		SSOP	100	2.7/5.5	10	2.25	1.76	1.32
◆755-BH2227FV-E2	SSOP		SSOP	100	2.7/5.5	4	1.32	1.07	.858
◆755-BU2507FV-E2	SSOP		SSOP	20	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.	Mfr.	Mfr. Part No.	Package	Power Supply (V)	Channels	Operating Temp. (°C)	Price Each		
							1	10	100
◆755-LM2903DR	SOIC8		SOIC8	3-36	2	-40 to 125	.52	.39	.292
◆755-LM2903DT	SO8		SO8	2-36	2	-40 to 125	.52	.39	.292
◆755-LM2903MX	SO8		SO8	2-36	2	-40 to 85	.52	.39	.292
◆755-LM2903VQDR	SOIC8		SOIC8	3-36	2	-40 to 125	.52	.39	.292
◆755-LM393DR	SOIC8		SOIC8	2-36	2	0 to 70	.52	.39	.292
◆755-LM393DT	SO8		SO8	2-36	2	0 to 70	.52	.39	.292
◆755-LM393MX	SO8		SO8	2-36	2	0 to 70	.52	.39	.292
◆755-LM393WDT	SO8		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.	Mfr.	Mfr. Part No.	Package	Input Voltage (V)	Output Current (mA)	Output Voltage (V)	Price Each		
							1	25	100
◆755-BP5034D12	SIP10		SIP10	141	100	12	3.15	2.46	1.92
◆755-BP5034D5	SIP10		SIP10	141	100	5	3.94	3.07	2.33
◆755-BP5037B12	SIP10		SIP10	141	200	12	3.15	2.46	1.92
◆755-BP5039B12	SIP12		SIP12	141	300	12	4.05	3.16	2.43
◆755-BP5041A15	SIP10		SIP10	390	80	16	5.14	4.01	3.46
◆755-BP5041A5	SIP10		SIP10	282	100	5	5.14	4.01	3.46
◆755-BP5063-5	SIP10		SIP10	141	200	5	6.98	5.44	4.53
◆755-BP5067-12	SIP12		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.	Mfr.	Mfr. Part No.	Package	Input Voltage (V)	Output Current (mA)	Output Voltage (V)	Price Each		
							1	25	100
◆755-BP5220A	SIP9		SIP9	8/38	1000	5	6.00	4.56	3.47
◆755-BP5221A	SIP9		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.	Mfr.	Mfr. Part No.	Package	Output Current (A)	Output Voltage (V)	Price Each		
						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-BA30BC0T			TO220FP3	1	3	1.02	.83	.663
755-BA33BC0T			TO220FP3	1	3.3	1.02	.83	.663
755-BA50BC0T			TO220FP3	1	5	1.02	.83	.663
◆755-BD00KA5WF-E2			SO8	0.5	Variable	.96	.70	.527
◆755-BD10KA5WF-E2			TO252	0.5	Variable	.96	.70	.527
◆755-BD10KA5WF-E2			SO8	0.5	1	.75	.63	.50
◆755-BD12KA5WF-E2			TO2525	0.5	1	.75	.63	.50
◆755-BD15KA5WF-E2			SO8	0.5	1.2	.75	.63	.50
◆755-BD12KA5WF-E2			TO2525	0.5	1.2	.75	.63	.50
◆755-BD15KA5WF-E2			SOP8	0.5	1.5	.75	.63	.50

ROHM SEMICONDUCTOR REGULATORS (CONT.)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Mfr.	Mfr. Part No.	Package	Output Current (A)	Output Voltage (V)	Price Each		
						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			SOP8	2	1-35	3.42	2.73	2.12
755-BD9006HF-TR			HRP7	2	1-35	3.52	2.82	2.19
755-BD9007F-E2			SOP8	2	1-35	2.93	2.34	1.82
755-BD9007HF-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-BD9122GUL-E2			VCSF	0.3	Variable	1.28	1.02	.77
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-BD9161FVM-TR			MSOP8	0.6	Variable	1.46	1.21	.97
◆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			SO8	2	1-35	2.41	1.88	1.47
◆755-BD9778HF-TR			HRP7	2	1-35	2.70	2.11	1.65
◆755-BD9781HF-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.