

ROHM SEMICONDUCTOR Integrated Circuits

ROHM
SEMICONDUCTOR

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ROHM Semiconductor Analog ICs

AMBIENT LIGHT SENSORS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Supply Voltage (V)	Output Type	Sensitivity Variations (%)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
◆	755—BH1600FVC-TR	WSOF-6	2.4-3.6	Current (Source)	±35	1.61	1.38	1.06
◆	755—BH1603FVC-TR	WSOF-6	2.4-5.5	Current (Source)	±15	1.08	.924	.71
◆	755—BH1620FVC-TR	WSOF-5	2.4-5.5	Current (Source)	±15	1.12	.96	.737
◆	755—BH1715FVC-TR	WSOF-6	2.4-3.6	I2C I/F	±15	3.70	3.15	2.73
◆	755—BH1721FVC-TR	WSOF-5	2.4-3.6	I2C I/F	±15	2.80	2.38	2.06
◆	755—BH1730FVC-TR	WSOF-6	2.4-3.6	I2C I/F	±15	3.20	2.72	2.36
◆	755—BH1750FVI-TR	WSOF-6	2.4-3.6	I2C I/F	±20	3.15	2.67	2.32
◆	755—BH1710FVC-TR	WSOF-6	2.4-3.6	I2C I/F	±38	3.25	2.76	2.39

BATTERY MANAGEMENT

◆ Surface Mount Device

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MOUSER STOCK NO.		Package	Voltage (V)		Output Current (mA)	Price Each		
Mfr.	Mfr. Part No.		Input	Output		1	10	100
◆	755—BD14000EFV-CE2	HTSSOP-B30	8-24	10	EDLC	12.18	11.20	9.45
Evaluation Board						Price Each		
755—BD14000EFV-EVK-1						105.26		

Description: 24V, 4.3V Output, Battery Management Evaluation Board

COLOR SENSOR

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Supply Voltage (V)	Sensitivity (Lx/step)	Supply Current (μA)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
◆	755—BH1745NUC-E2	WSON008X2120	2.3-3.6	0.005	130	1.55	1.32	1.06

COMPARATORS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Power Supply (V)	Channels	Operating Temp. (°C)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
◆	755—LM393MX	SOIC-8	2-36	2	0 to 70	.63	.523	.319
◆	755—LM2903DR	SOIC-8	3-36	2	-40 to 125	.63	.523	.319

CURRENT LIMIT HIGH SIDE SWITCHES

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	No. of Outputs	Supply Voltage (Max.) (V)	Current Limit (A)	Price Each		
Mfr.	Mfr. Part No.					1	10	100
◆	755—BD2220G-TR	SSOP-5	1	5	0.75	.88	.731	.472
◆	755—BD2221G-TR	SSOP-5	1	5	0.75	.88	.731	.472
◆	755—BD2224G-TR	SSOP-5	1	5	0.75	.88	.731	.472
◆	755—BD2225G-TR	SSOP-5	1	5	0.75	.88	.731	.472
◆	755—BD2246G-GTR	SSOP-5	1	5	0.75	1.10	.943	.724
◆	755—BD82029FVJ-GE2	TSSOP-B8J	1	5	1	.62	.517	.315
◆	755—BD2226G-TR	SSOP-5	1	5	1	.88	.731	.472
◆	755—BD2227G-TR	SSOP-5	1	5	1	.88	.731	.472
◆	755—BD2240G-GTR	SSOP-5	1	5	1	1.10	.943	.724
◆	755—BD2241G-GTR	SSOP-5	1	5	1	1.10	.943	.724
◆	755—BD2232G-GTR	SSOP-5	1	5	1.3	.81	.681	.439
◆	755—BD2233G-GTR	SSOP-5	1	5	1.3	.81	.681	.439
◆	755—BUS1DJC0GWZ-E2	UCSP30L1	1	5	2	.43	.361	.22
◆	755—BD82028FVJ-GE2	TSSOP-8	1	5.5	1	.62	.517	.315
◆	755—BD6538G-TR	SSOP-5	1	5.5	1	1.13	.968	.743
◆	755—BD82000FVJ-E2	TSSOP-B8J	1	5.5	1.5	.89	.744	.48
◆	755—BD82030FVJ-GE2	TSSOP-8	1	5.5	1.5	.42	.354	.216
◆	755—BD82031FVJ-GE2	TSSOP-8	1	5.5	1.5	.62	.517	.315
◆	755—BD2248G-GTR	TSSOP-8	1	5.5	1.5	1.10	.943	.724
◆	755—BD82020FVJ-E2	TSSOP-8	1	5.5	1.5	.94	.809	.621
◆	755—BD82021FVJ-E2	TSSOP-8	1	5.5	1.5	.94	.809	.621
◆	755—BD2242G-GTR	SSOP-6	1	5.5	1.7	.72	.60	.387
◆	755—BD2243G-GTR	SSOP-6	1	5.5	1.7	.72	.60	.387
◆	755—BD82033FVJ-GE2	TSSOP-8	1	5.5	2	.62	.517	.315
◆	755—BD82022FVJ-E2	TSSOP-8	1	5.5	2	.94	.809	.621
◆	755—BD82023FVJ-E2	TSSOP-8	1	5.5	2	.94	.809	.621
◆	755—BD82032FVJ-GE2	TSSOP-8	1	5.5	2	.62	.517	.315
◆	755—BD82065FVJ-E2	TSSOP-B8J	1	5.5	2.4	.74	.62	.40
◆	755—BD82034FVJ-GE2	TSSOP-8	1	5.5	2.5	.42	.354	.216
◆	755—BD82035FVJ-GE2	TSSOP-8	1	5.5	2.5	.62	.517	.315
◆	755—BD82024FVJ-E2	TSSOP-8	1	5.5	2.5	.94	.809	.621
◆	755—BD82025FVJ-E2	TSSOP-8	1	5.5	2.5	.94	.809	.621
◆	755—BD2062FJ-E2	SOP-J8	2	5.5	1.3	1.56	1.32	1.06
◆	755—BD2066FJ-E2	SOP-J8	2	5.5	2.4	1.56	1.32	1.06

D/A CONVERTERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Setting Time (nS)	Supply Voltage (V)	Channels	Price Each		
Mfr.	Mfr. Part No.					1	10	100
◆	755—BH2221FV-E2	SSOP-20	100	2.7/5.5	12	3.54	3.01	2.61
◆	755—BU2507FV-E2	SSOP-14	20	4.5/5.5	6	3.65	3.10	2.69

DC/DC CONVERTERS

Converters

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Voltage (V)		Output Current (mA)	Price Each		
Mfr.	Mfr. Part No.		Input	Output		1	10	100
◆	755—BU90004GWZ-E2	BGA-6	2.3/5.5	1.8	1000	1.44	1.23	.946
◆	755—BU90005GWZ-E2	BGA-6	2.3/5.5	2.5	1000	1.44	1.23	.946
◆	755—BU90006GWZ-E2	BGA-6	2.3/5.5	3	1000	1.64	1.40	1.12
◆	755—BD8303MUV-E2	VQFN-16	2.7/14	12	-	2.85	2.42	1.94
◆	755—BD9A100MUV-E2	VQFN-16	2.7/5.5	3.85	1000	.74	.62	.40
◆	755—BD9B300MUV-E2	VQFN-16	2.7/5.5	4.4	3000	.89	.767	.589
◆	755—BD99010EFV-ME2	HTSSOP-24	3.6/35	3.3	2000	5.02	4.27	3.70
◆	755—BU90002GWZ-E2	BGA-6	4.0/5.5	3.3	1000	1.64	1.40	1.12
◆	755—BD9305AFVM-TR	MSOP-8	4.2/18	18	250	2.22	1.89	1.51
◆	755—BD9109FVM-TR	MSOP-8	4.5/5	3.3	800	1.98	1.68	1.34
◆	755—BD9104FVM-TR	MSOP-8	4.5/5	3.3	900	2.64	2.24	1.79
◆	755—BD95835EFJ-E2	HTSOP-8	4.5/18	10.8	3000	.61	.509	.31
◆	755—BD9778F-E2	SOP-8	7.0/35	35	2000	4.39	3.73	3.23
◆	755—BD9778HFP-TR	HRP-7	7.0/35	35	2000	3.70	3.15	2.73
◆	755—BD9E100FJ-LBGE2	SOP-J8	7.0/36	25.2	1000	3.34	2.84	2.46
◆	755—BD9E101FJ-LBGE2	SOP-J8	7.0/36	25.2	1000	3.34	2.84	2.46
◆	755—BD9E300EFJ-LBE2	HTSOP-J8	7.0/36	25.2	2500	3.90	3.31	2.87
◆	755—BD9E301EFJ-LBE2	HTSOP-J8	7.0/36	25.2	2500	3.90	3.31	2.87
◆	755—BD9870FPS-E2	TO-252S-5	8.0/35	28	1500	1.64	1.40	1.12
◆	755—BD9703FP-E2	TO-252-5	8.0/35	32	1500	2.02	1.72	1.37

Evaluation Boards

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
755—	BD95861MUVK-101	18V, 6A Output Synch. Buck DC/DC Evaluation Board	50.00
755—	BU90002GWZEVK101	3.3V, 1A Output, Synch. Buck DC/DC Evaluation Board	31.25
755—	BD9B300MUVK101	3.3V, 3A Output, Synch. Buck DC/DC Evaluation Board	31.94
755—	BD95841MUVK101	5.5V, 4A Output, Synch. Buck DC/DC Evaluation Board	34.73
755—	BD9C601EFJEVK101	12.6V, 6A Output, Synch. Buck DC/DC Evaluation Board	34.73

DRIVERS

H-Bridge Motors

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Voltage Rating (V)	Output Current (mA)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
◆	755—BD6210F-E2	SOP-8	7	500	2.02	1.71	1.37
◆	755—BD6210HFP-TR	HRP-7	7	500	1.55	1.32	1.06
◆	755—BD6211F-E2	SOP-8	7	1000	1.79	1.52	1.22
◆	755—BD6211HFP-TR	HRP-7	7	1000	2.56	2.18	1.74
◆	755—BD6212HFP-TR	HRP-7	7	2000	2.72	2.31	2.00
◆	755—BD6221F-E2	SOP-8	18	1000	2.51	2.13	1.70
◆	755—BD6222FP-E2	HSOP-25	18	2000	3.49	2.97	2.57
◆	755—BD6222HFP-TR	HRP-7	18	2000	3.62	3.08	2.67
◆	755—BD6230F-E2	SOP-8	36	500	3.07	2.61	2.26
◆	755—BD6231F-E2	SOP-8	36	1000	3.15	2.67	2.32
◆	755—BD6231HFP-TR	HRP-7	36	1000	3.99	3.39	2.94
◆	755—BD6232FP-E2	HSOP-25	36	2000	4.92	4.18	3.62

LEDs

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	Voltage Rating (V)	Output Current (mA)	Price Each		
Mfr.	Mfr. Part No.				1	10	100
◆	755—BD8105FV-E2	SSOP-B20	4.5-5.5	50	2.88	2.45	2.12