

ACTIVE-SEMI Power Management



AC/DC SWITCHING CONVERTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Active-Semi Part No.	Package	No. of Outputs	Input Supply Voltage (Max.) (V)	Supply Current (mA)	Switching Frequency (Max.) (kHz)	Output Power (Max.) (W)	Isolation	Price Each			
									1	10	100	1000
107-ACT413US-T	ACT413US-T	SOT-23-6	1	22	0.55	94	36	Isolated	.63	.474	.298	.223
107-ACT410US-T	ACT410US-T	SOT-23-6	1	22	0.55	132	36	Isolated	.63	.474	.298	.223
107-ACT411US-T	ACT411US-T	SOT-23-6	1	22	0.55	132	36	Isolated	.61	.475	.306	.245
107-ACT412US-T	ACT412US-T	SOT-23-6	1	22	0.55	132	36	Isolated	1.96	1.58	1.26	.918
107-ACT334US-T	ACT334US-T	SOT-23-6	1	28	0.24	80	6	Isolated	.69	.518	.326	.244
107-ACT361US-T	ACT361US-T	SOT-23-6	1	28	1	55	6	Isolated	.53	.397	.25	.187
107-ACT364US-T	ACT364US-T	SOT-23-6	1	28	1	110	6.3	Isolated	.63	.474	.298	.223
107-ACT512US-T	ACT512US-T	SOT-23-6	2	28	0.6	75	60	Isolated	.61	.475	.306	.245
Evaluation Boards									Price Each			
107-EA334US	EA334US											61.25
107-EA361US	EA361US											61.25
107-EA411US	EA411US											61.25
107-EA413US	EA413US											61.25
107-EA512US	EA512US											61.25
107-EA518SH	EA518SH											61.25

DC/DC SWITCHING CONVERTERS

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MOUSER STOCK NO.	Active-Semi Part No.	Package	No. of Outputs	Input Voltage (V)	Switching Frequency (kHz)	Supply Current (mA)	Output Current (A)	RDS(ON) (mΩ)	Topology	Operating Temperature (°C)	Price Each			
											1	10	100	1000
107-ACT8310NHADJ-T	ACT8310NHADJ-T	TDFN-8	1	5	1350	0.15	1.2	192	Buck	-40 to +85	.99	.794	.61	.426
107-ACT8311NHADJ-T	ACT8311NHADJ-T	TDFN-8	1	5	1350	0.15	1.5	165	Buck	-40 to +85	1.04	.84	.645	.45
107-ACT8390MH-T	ACT8390MH-T	MSOP-8	1	5.5	1300	1	1.7	200	Boost	-40 to +85	1.08	.868	.667	.465
107-ACT4060ASH-T	ACT4060ASH-T	SOP-8	1	24	400	0.55	2	180	Buck	-40 to +85	.60	.451	.283	.212
107-ACT4088US-T	ACT4088US-T	SOT-23-6	1	28	1400	1	1.5	300	Buck	-40 to +85	.77	.598	.386	.309
107-ACT4501SH-T	ACT4501SH-T	SOP-8	1	30	125	0.75	1.25	300	Buck	-40 to +85	.84	.651	.42	.336
107-ACT4065ASH-T	ACT4065ASH-T	SOP-8	1	30	210	0.75	2	220	Buck	-40 to +85	.64	.496	.32	.256
107-ACT4533YH-T	ACT4533YH-T	SOP-8	1	32	125	3	3	160	Buck	-40 to +85	1.15	.924	.71	.495
107-ACT4523AYH-T	ACT4523AYH-T	SOP-8	1	36	250	0.9	3.5	160	Buck	-40 to +85	1.18	.952	.731	.51
107-ACT4533AYH-T	ACT4533AYH-T	SOP-8	1	38	125	0.9	3.5	85	Buck	-40 to +85	1.11	.896	.688	.48
107-ACT4514SH-T	ACT4514SH-T	SOP-8	1	40	210	2.5	1.5	-	Buck	-40 to +85	.72	.563	.363	.291
Evaluation Boards									Price Each					
107-EA4501SH	EA4501SH												61.25	
107-EA4523AYH	EA4523AYH												61.25	
107-EA4533AYH	EA4533AYH												61.25	
107-EA4533BYH	EA4533BYH												61.25	

PMU STEP DOWN CONVERTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Active-Semi Part No.	Package	No. of Outputs	Supply Voltage (V)	Output Current (A)	Output Voltage (V)	Supply Current (uA)	Operating Temperature (°C)	Price Each			
									1	10	100	1000
107-ACT8945AQJ305-T	ACT8945AQJ305-T	TQFN55-40	3	3.6	1.1	3.3	37	-40 to +85	3.39	2.72	2.48	1.69
107-ACT8931AQJ633-T	ACT8931AQJ633-T	TQFN-40	7	3.6	1.1	3.3	420	-40 to +85	2.99	2.41	1.92	1.39
107-ACT8865QI305-T	ACT8865QI305-T	TQFN44-32	7	5.5	1.15	-	14000	-40 to +85	2.79	2.25	1.80	1.29
107-ACT8840QM175-T	ACT8840QM175-T	TQFN-48	13	3.6	1.8	3.3	-	-40 to +85	3.33	2.67	2.44	1.65
107-ACT8846QM460-T	ACT8846QM460-T	TQFN-48	13	3.6	2.8	3.3	600	-40 to +85	2.60	2.10	1.68	1.21
107-ACT8847QM147-T	ACT8847QM147-T	TQFN-48	13	3.6	2.8	3.3	600	-40 to +85	3.24	2.61	2.37	1.61

SWITCHING CONTROLLERS

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MOUSER STOCK NO.	Active-Semi Part No.	Package	No. of Outputs	Supply Voltage (V)	Switching Frequency (kHz)	Supply Current (mA)	Current Limit (mA)	Fall/Rise Time(ns)	Topology	Operating Temperature (°C)	Price Each			
											1	10	100	1000
107-ACT30AHT-3846	ACT30AHT-3846	TO-92-3	2	5	65	0.7	400	20/30	Flyback	-40 to +85	.48	.319	.178	.13
107-ACT30BHT-1119	ACT30BHT-1119	TO-92-3	2	5	65	0.7	800	20/30	Flyback	-40 to +85	.53	.354	.198	.144

POWER APPLICATION CONTROLLERS • ARM Cortex M0

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Active-Semi Part No.	Package	Flash (kB)	RAM (kB)	Supply Voltage (Max.) (V)	Frequency (MHz)	Interface Type	GPIOs	Operating Temperature (°C)	Price Each			
										1	10	100	1000
107-PAC5210QS	PAC5210QS	TQFN-56	32	8	52	50	I2C, SPI, SWD, UART	36	-40 to +105	4.07	3.27	2.98	2.02
107-PAC5220QS	PAC5220QS	TQFN-56	32	8	52	50	I2C, SPI, SWD, UART	28	-40 to +105	5.26	4.22	3.85	2.62
107-PAC5220WP	PAC5220WP	TQFN-56	32	8	52	50	I2C, SPI, SWD, UART	28	-40 to +105	5.31	4.27	3.89	3.08
107-PAC5250QF	PAC5250QF	TQFN-57	32	8	600	50	I2C, SPI, SWD, UART	25	-40 to +105	6.78	5.45	4.97	3.38
Evaluation Kits									Price Each				
107-EH-BLDCM1-1	EH-BLDCM1-1											123.75	
107-EH-PROTOL-1	EH-PROTOL-1											18.75	
107-EH-PROTOM-1	EH-PROTOM-1											15.00	
107-EH-PROTOS-1	EH-PROTOS-1											10.00	
107-EP5220HPA11-1	EP5220HPA11-1											186.25	
107-EP-HYDRA-X10-1	EP-HYDRA-X10-1											61.25	
107-EP-HYDRA-X20-1	EP-HYDRA-X20-1											61.25	

BATTERY BACKUP PACK MANAGERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Active-Semi Part No.	Package	Output Voltage (V)	Output Current (A)	Power Dissipation (W)	Flashlight	PB Turn Off Boost	Boost LED Indication	Low Battery Alarm	Temperature Monitoring	Price Each			
											1	10	100	1000
107-ACT2802CQL-T	ACT2802CQL-T	QFN-24	5	2.5	2.5	Yes	No	No	Yes	Yes	2.07	1.67	1.34	.971
107-ACT2802QL-T1026	ACT2802QL-T1026	QFN-24	5	2.5	2.5	No	Yes	No	Yes	Yes	2.03	1.63	1.31	.949
Charger Board									Price Each					
107-EA2801QL-T0550	EA2801QL-T0550												86.25	

BATTERY CHARGER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Active-Semi Part No.	Package	No. of Outputs	Input Voltage (V)	Output Current (mA)	Output Voltage (V)	RDS (ON) (Ω)	Supply Current (mA)	Battery Voltage (V)	Price Each			
										1	10	100	1000
107-ACT3780QY-T	ACT3780QY-T	TQFN-20	1	12	6	0.5	0.5	1.8	4.2	1.83	1.47	1.18	.856

LED LIGHTING DRIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Active-Semi Part No.	Package	No. of Outputs	Input Voltage (V)	Output Current (mA)	Operating Frequency (MHz)	Power Dissipation (W)	Supply Current (mA)	Topology	Price Each			
										1	10	100	1000
107-ACT6311UC-T	ACT6311UC-T	SOT-23-5	1	3	4	1	0.4	1.5	Boost	.49	.369	.232	.174
107-ACT6358NH-T	ACT6358NH-T	TDFN-8	1	3.3	1000	0.01	1.9	0.25	Boost	1.15	.924	.71	.495

