

STMICROELECTRONICS Regulators and Temperature Sensors

Products may be RoHS compliant.
Check mouser.com for RoHS status.

STMICROELECTRONICS MULTIFUNCTION SWITCHING REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Input Voltage Range (V)	Output Voltage Max. (V)	Voltage Output Tol.	Output Curr. Cont. Max. (mA)	Quiescent Current Max. (mA)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-LNBP21PD-TR	LNBP21PD-TR	PowerSO-20	----/16	2.5	500	90%	20	-40 to +125	4.51	3.62	3.06
511-LNBH21PD-TR	LNBH21PD-TR	PowerSO-20	8/15	40.0	750	94%	-----	-40 to +125	6.08	4.81	3.86

STMICROELECTRONICS STEP-UP SWITCHING REGULATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Input Voltage Min/Max (V)	Quiescent Current Max. (uA)	Output Voltage Min/Max (V)	Shut-Down Current Max. (uA)	Turn-on/off Time Max. (us)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-L6920D	L6920D	TSSOP-8	0.6/5.5	15	3.2/3.4	1.0	6.25/1.25	-40 to +125	2.33	2.22	1.87

STMICROELECTRONICS STEP-DOWN SWITCHING REGULATORS

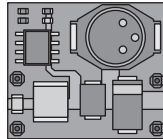
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	DC Input Voltage Min/Max (V)	Output Current Max. (A)	Regulated Output Volt Min/Max (V)	Efficiency Nominal	Switching Freq. Typ/Max (kHz)	Temperature Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-L4971D	L4971D	SO-16W	8/55	1.5	3.3/50	85%	----/300	-40 to +150	2.97	2.93	2.55
511-L4973D5.1	L4973D5.1	SO-20	8/55	3.5	4.95/5.25	90%	100/110	-40 to +150	6.46	6.17	4.83
511-L5986	L5986	VFQFPN8	2.9/18	2.4	-0.3	---	---	-40 to +150	2.19	1.83	1.65
511-L5988D	L5988D	HTSSOP	4.0	3	-0.3	22	2.7/2.6	-40 to +150	2.12	1.91	1.70
Thru Hole											
511-MC34063ACN	MC34063ACN	DIP-8	-0.3 to +40	50	2%	1.5	2.5	0 to 70	1.32	1.10	.93
511-MC34063ECN	MC34063ECN	DIP-8	----/50	1.5	1.25/38	80%	----/-----	0 to 70	.55	.48	.42
511-L4962E/A	L4962E/A	Heptawatt-7V	9/46	1.5	5.1/40	75%	----/200	-40 to +150	4.77	3.81	3.23
511-L4962/A	L4962/A	PowerDIP-12+2+2	9/46	1.5	5.1/40	75%	----/200	-40 to +150	2.76	2.63	2.56
511-L296P	L296P	Multiwatt-15V	9/46	4.0	5.1/40	75%	----/200	-40 to +150	9.75	8.15	6.90
511-L4970A	L4970A	Multiwatt-15V	12/50	10	5.1/40	83%	----/500	-40 to +150	17.85	14.56	11.21

STMICROELECTRONICS EVALUATION BOARDS

These demonstration boards are complete tools to evaluate the L5970D, L5972D, L5973AD, L5973D and L6902D switching regulators. The system is a buck topology converter with a sense resistor to set the constant output current from 50mA up to 1.5A (in according to package power dissipation). The demo board supports maximum input/output voltages of 16V/10V, above this voltage rating of the input/output capacitors must be changed.

Eval5970D Shown



For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Description	Price Each
511-EVAL5973D	EVAL5973D	For L5793D switching regulator	13.00

STMICROELECTRONICS TEMPERATURE SENSORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Description	Supply Voltage (V)	Set Curr. Max. (mA)	Set Curr. Error Max. (%)	Operating Temperature Range (C)	Effective Shunt Cap. Typ. (pF)	Price Each		
									1	10	100
Surface Mount											
511-LM234D	LM234D	SO-8	3-terminal adjustable current	1.0 to 40	10.0	12	-25 to +100	15	1.30	1.10	.912
511-LM334D	LM334D	SO-8	3-terminal adjustable current	1.0 to 40	10.0	12	0 to +70	15	1.16	1.01	.889
511-LM335D	LM335D	SO-8	Precision linear output	2.92 to 3.04	15.0	----	-40 to +100	-----	1.20	.926	.893
Thru Hole											
511-LM335AZ	LM335AZ	TO-92	Precision linear output	2.92 to 3.04	15.0	----	-40 to +100	-----	1.43	1.23	.95
511-LM235Z	LM235Z	TO-92	Precision linear output	2.92 to 3.04	15.0	----	-40 to +125	-----	2.05	1.74	1.47
511-LM335Z	LM335Z	TO-92	Precision linear output	2.92 to 3.04	15.0	----	-40 to +100	-----	1.20	1.04	.80

STMICROELECTRONICS VOLTAGE REFERENCE (GENERAL PURPOSE)

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Type	Output Voltage Typ (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Static Impedance Typ/Max (W)	Operating Temperature Range (°C)	Price Each		
										1	10	100
Surface Mount												
511-TL431CD	TL431CD	SO-8	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	0 to +70	.43	.32	.24
Thru Hole												
511-TL431ACZ	TL431ACZ	TO-92	Adjust	2.5 to 36	1	100	1 to 100	0.22/0.5	0 to +70	.52	.369	.242
511-TL431AIZ	TL431AIZ	TO-92	Adjust	2.5 to 36	1	100	1 to 100	0.22/0.5	-40 to +105	.45	.34	.26
511-TL431CZ	TL431CZ	TO-92	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	0 to +70	.45	.34	.23
511-TL431IZ	TL431IZ	TO-92	Adjust	2.5 to 36	2	100	1 to 100	0.22/0.5	-40 to +105	.43	.32	.24