

STMICROELECTRONICS Controllers & Regulators



life.augmented

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

SMART ON/OFF CONTROLLERS

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package Type	Supply Current (Typ.) (mA)	Product Selector					Price Each			
				EN or EN(1)	Setting After Long Push (2)	Power-On Lock-Out Volt (V)	Forced Power-Off Volt (V)	TON BLANK at Start-Up (Min.) (s)	TON BLANK at Res (Min.) (s)	1	10	100
◆ 511-STM6600AS24DM6F	STM6600AS24DM6F	TDFN-12	6	EN	RST	3.4	-----	5.6	5.6	1.78	1.52	1.24
◆ 511-STM6600CS25DM6F	STM6600CS25DM6F	TDFN-12	6	EN	EN	3.4	-----	11.2	11.2	1.78	1.52	1.24
◆ 511-STM6600DA55DM6F	STM6600DA55DM6F	TDFN-12	6	EN	EN	2.5	-----	11.2	11.2	1.78	1.52	1.24

(1) EN (or EN) output is push-pull. RST, INT, PB_{OUT} and VCC_{IO} outputs are open drain.

(2) After t_{SRD} expires through long push, either device reset (RST) will be activated for t_{REC} (240 ms min.) or the EN (or EN) pin will be deasserted. The additional Smart Reset™ delay time, t_{SRD}, can be adjusted by the user at 10 s/μF (typ.) by connecting the external capacitor to the C_{SRD} pin.

LOW POWER VOLTAGE DETECTORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Output Type	Threshold Voltage (Typ.) (V)	Threshold Hysteresis (Typ.) (V)	Supply Current (Typ.) (μA)	Temperature Range (°C)	Price Each		
								1	10	100
511-STM1061N16WX6F	STM1061N16WX6F	SOT-23-3	Open Drain - Active Low	1.6	0.05	0.9	-40 to +85	.30	.26	.22
511-STM1061N17WX6F	STM1061N17WX6F	SOT-23-3	Open Drain - Active Low	1.7	0.05	0.9	-40 to +85	.30	.26	.22
511-STM1061N25WX6F	STM1061N25WX6F	SOT-23-3	Open Drain - Active Low	2.5	0.05	0.9	-40 to +85	.30	.26	.22
511-STM1061N26WX6F	STM1061N26WX6F	SOT-23-3	Open Drain - Active Low	2.6	0.05	0.9	-40 to +85	.30	.26	.22
511-STM1061N29WX6F	STM1061N29WX6F	SOT-23-3	Open Drain - Active Low	2.9	0.05	0.9	-40 to +85	.30	.26	.22
511-STM1061N30WX6F	STM1061N30WX6F	SOT-23-3	Open Drain - Active Low	3.0	0.05	0.9	-40 to +85	.43	.35	.31

VOLTAGE SUPERVISORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Case Type	Description	Supply Current Max. (μA)	Supply Voltage Max. (V)	Threshold Voltage Typ. (V)	Response Time High-Low (μS)	Temp. Range (°C)	Price Each		
									1	10	100
Surface Mount											
511-STM6710KWB6F	STM6710KWB6F	SOT-23-6	For up to four supply voltages	115	5.5	1.8/2.5/3.3/5.0	-	-40 to +85	.67	.60	.51
511-STM6710FWB6F	STM6710FWB6F	SOT-23-6	For up to four supply voltages	115	5.5	1.8/2.5/3.3/5.0	-	-40 to +85	.70	.668	.632
Thru Hole											
511-TS831-4IZ	TS831-4IZ	TO-92	Micropower, reset active low	12	7	4.5	20	-40 to +125	.53	.429	.348

PROGRAMMABLE POSITIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	Price Each		
									1	10	100
Thru Hole											
511-LM723CN	LM723CN	DIP-14	2-37	0.15	-	0.5	0.6	0 to +70	.63	.555	.429

NEGATIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities greater than listed, call for quote.

Thru Hole											
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	1	10	100
511-LM137K	LM137K	TO-3	1.2-37	1.5	40	0.05	1.0	-55 to +150	6.83	6.14	5.05
511-LM337K	LM337K	TO-3	1.2-37	1.5	40	0.05	1.0	0 to +125	6.78	5.97	4.98
511-LM337SP	LM337SP	TO-220AB	1.2-37	1.5	40	0.05	1.0	0 to +125	1.29	1.13	.879
511-LM350K	LM350K	TO-3	1.2-37	3.0	35	0.05	1.5	0 to +125	7.48	6.73	5.39
511-L200CV	L200CV	Pentawatt	2.85-36	2.0	60	-	1.4	-25 to +150	1.81	1.63	1.37

POSITIVE ADJUSTABLE VOLTAGE REGULATORS

For quantities greater than listed, call for quote.

Surface Mount											
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	1	10	100
511-LM217LD13TR	LM217LD13TR	SO-8	1.2-37	0.1	40	0.02	0.015	-25 to +150	.46	.40	.31
511-LM317LD13TR	LM317LD13TR	SO-8	1.2-37	0.1	40	0.02	0.3	0 to +125	.49	.38	.26
511-LM217D2T-TR	LM217D2T-TR	TO-263	1.2-37	1.5	40	0.02	0.015	-25 to +150	1.02	.89	.70
511-LM317D2T-TR	LM317D2T-TR	TO-263	1.2-37	1.5	40	0.04	0.5	0 to +125	.82	.737	.56
511-LM317MDT-TR	LM317MDT-TR	TO-252	1.2-37	1.5	40	0.04	0.5	0 to +125	.70	.62	.48
Thru Hole											
511-LM117K	LM117K	TO-3	1.2-37	1.5	40	0.02	0.015	-55 to +150	8.08	7.27	5.97
511-LM217T	LM217T	TO-220AB	1.2-37	1.5	40	0.02	0.015	-25 to +150	.69	.611	.472
511-LM317K	LM317K	TO-3	1.2-37	1.5	40	0.04	0.5	0 to +125	3.53	3.06	2.56
511-LM317LZ-AP	LM317LZ-AP	TO-92	1.2-37	1.5	40	0.04	0.5	0 to +125	.64	.54	.40
511-LM317P	LM317P	TO-220FP	1.2-37	1.5	40	0.04	0.5	0 to +125	1.08	.958	.74
511-LM317T	LM317T	TO-220AB	1.2-37	1.5	40	0.04	0.5	0 to +125	.64	.54	.40
511-LM317T-DG	LM317T-DG	TO-220	1.2-37	1.5	40	0.04	0.5	0 to +125	.58	.517	.40
511-LM138K	LM138K	TO-3	1.2-37	5.0	35	0.03	0.5	-55 to +150	12.84	11.77	9.98
511-LM338K	LM338K	TO-3	1.2-37	5.0	35	0.03	0.5	0 to +125	9.49	8.58	7.01



POSITIVE ADJUSTABLE LOW DROPOUT VOLTAGE REGULATORS

For quantities greater than listed, call for quote.

Surface Mount											
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	1	10	100
511-LD39050PUR	LD39050PUR	DFN-6	0.8-7	0.5	-	0.01	0.02	-40 to +125	.80	.71	.61
511-LD1117DT-TR	LD1117DT-TR	TO-252	1.25-15	0.8	-	0.2	0.4	0 to +125	.57	.46	.34
511-LD1117DTC	LD1117DTC-R	TO-252	1.25-15	0.8	-	0.2	0.4	-40 to +125	.67	.59	.51
511-LD1117S	LD1117STR	SOT-223	1.25-15	0.8	-	0.2	0.4	0 to +125	.37	.33	.28
511-LD1117SC-R	LD1117SC-R	SOT-223	1.25-15	0.8	-	0.2	0.4	-40 to +125	.37	.33	.28
511-LD29080P	LD29080PTR	PPAK	2.5-13	0.8	-	1	0.5	-40 to +125	1.08	.91	.66
511-ST715MR	ST715MR	DFN-8	2.5-24	0.85	-	0.004	0.004	-40 to +125	.88	.78	.68
511-LD1086DT-TR	LD1086DTTR	TO-252	2.85-30	1.5	-	0.2	0.3	-40 to +125	1.07	.95	.82
511-LD1085D2M	LD1085D2M-R	TO-263A	2.85-30	3.0	-	0.2	0.3	-40 to +125	1.12	.99	.86
511-LD1085D2T-TR	LD1085D2T-R	TO-263	2.85-30	3.0	-	0.2	0.3	-40 to +125	1.12	.99	.86
Thru Hole											
511-LD1117V	LD1117V	TO-220AB	1.25-15	0.8	-	0.2	0.4	0 to +125	.56	.47	.37
511-LD1086V	LD1086V	TO-220AB	2.85-30	1.5	-	0.2	0.3	-40 to +125	1.02	.90	.78
511-LD1085V	LD1085V	TO-220AB	2.85-30	3.0	-	0.2	0.3	-40 to +125	1.61	1.45	1.15
511-LD1084V	LD1084V	TO-220AB	2.85-30	5.0	-	0.2	0.3	-40 to +125	1.33	1.19	1.04

POSITIVE ADJUSTABLE VERY LOW DROPOUT VOLTAGE REGULATORS

For quantities greater than listed, call for quote.

Surface Mount											
MOUSER STOCK NO.	STM Part No.	Package	Output Voltage (V)	Output Current (A)	Input-Output Volt. Diff. (Max) (V)	Line Regulation %/V (Max)	Load Regulation %/V (Max)	Temperature Range (°C)	1	10	100
511-LD29150PTR	LD29150PTR	PPAK	2.5-30	1.5	-	1	0.5	-40 to +125	.87	.71	.65
511-LD29300P2MTR	LD29300P2MTR	TO-263A	2.5 (Min)	3.0	-	1	0.5	-40 to +125	1.37	1.21	1.05