

STMicroelectronics Power Management ICs

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

Life Augmented

Power Management

STMicroelectronics

OFF-LINE SWITCHING REGULATOR

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Drain-Source Breakdown (Min.) (V)	Operating Voltage (Min./Max.) (V)	Quiescent Current (Max.) (µA)	Start-Up Current (Max.) (µA)	R _{DS(ON)} (Max.) (Ω)	Power Dissipation (Max.) (W)	Drain Current (Max.) (A)	Price Each		
										1	10	100
◆ 511-ALTAIR04-900TR	ALTAIR04-900TR	SO-16	900	11.5/23	1.4	300.0	19	0.9	0.7	1.82	1.55	1.24

STEP-DOWN SWITCHING REGULATORS

◆ Surface Mount Devices

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MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	DC Input Voltage (Min./Max.) (V)	Output Current (Max.) (mA)	Regulated Output Volt. (Min./Max.) (V)	Efficiency (Typ.) (%)	Switching Frequency (Typ./Max.) (kHz)	Operating Temperature Range (°C)	Price Each		
									1	10	100
◆ 511-ST1S10PHR	ST1S10PHR	PowerSO-8	2.5/18	3000	-0.3/20	90	0.9/1.1	-40 to +150	2.01	1.62	1.30
◆ 511-ST1S31PUR	ST1S31PUR	VFDFFPN-8L	2.8/5.5	3000	-/-	95	1500/1900	-40 to +150	1.51	1.29	.993
◆ 511-ST1S31D-R	ST1S31D-R	SO-8	2.8/5.5	3000	0.8/-	100	1500/1900	-40 to +150	.92	.789	.606
◆ 511-ST1S32PUR	ST1S32PUR	VFDFFPN-8L	2.8/5.5	4000	0.8/-	100	1500/1900	-40 to +150	1.88	1.61	1.23
◆ 511-LED2000PUR	LED2000PUR	VFQFPN-8L	3/18	3000	-/-	60	850/1000	-40 to +125	2.36	1.90	1.52
◆ 511-MC34063ECN	MC34063ECN	DIP-8	3/40	1500	1.25/38	80	-/-	0 to +70	.57	.474	.306
◆ 511-L5963D-EHX	L5963D-EHX	PowerSSO-36	3.5/26	3000	3.5/26	90	-/2000	-40 to +105	4.81	3.87	3.52
◆ 511-ST1S40IDR	ST1S40IDR	SO-8	4/18	4000	0.8/4	100	850/1000	-40 to +125	1.34	1.15	.887
◆ 511-ST1S40IPHR	ST1S40IPHR	HSOP-8	4/18	3000	0.8/18	100	850	-40 to +150	1.88	1.61	1.23
◆ 511-ST1S40IPUR	ST1S40IPUR	QFPN-8	4/18	4000	0.8/4	100	850/1000	-40 to +125	1.91	1.62	1.30
◆ 511-A6986TR	A6986TR	HTSSOP-16	4/38	2000	0.85/-	96	250/2000	-40 to +150	3.77	3.03	2.76
◆ 511-L6986	L6986	HTSSOP-16	4/38	2000	2.9/3.6	100	250/2000	-40 to +150	2.95	2.38	1.90
◆ 511-PM6644TR	PM6644TR	DFN-10	4.5/25	350	0.9/8	100	200/600	-40 to +125	1.96	1.66	1.33
◆ 511-L7980TR	L7980TR	VFQFPN-8	4.5/28	2000	0.6	100	225/275	-40 to +150	1.58	1.34	1.07
◆ 511-A7985ATR	A7985ATR	HSOP-8	4.5/38	2000	-0.3/-	100	1000/-	-40 to +150	2.26	1.82	1.46
◆ 511-A7986ATR	A7986ATR	HSOP-8	4.5/38	3000	0.6/38	100	250/275	-40 to +150	2.46	1.98	1.59
◆ 511-L7987	L7987	HTSSOP-16	4.5/61	3000	-/-	-	250/267	-40 to +150	2.93	2.48	1.99
◆ 511-LED5000PHR	LED5000PHR	HPSO-8	5.5/48	0.023	-0.3/3	90	850	-40 to +150	2.49	2.01	1.61
◆ 511-ST1S14PHR	ST1S14PHR	HSOP-8	5.5/48	3000	-0.3	90	600/1000	-40 to +150	2.37	1.91	1.53
◆ 511-ST2S08BPQR	ST2S08BPQR	QFN-12	6.5/45	1500	-/1	98	100	-40 to +85	2.10	1.69	1.35
◆ 511-L4970A	L4970A	Multiwatt-15V	12/50	10000	5.1/40	83	-/500	-40 to +150	14.04	12.91	10.90

PHASE METERING ICs

◆ Surface Mount Devices

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MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Supply Voltage (Max.) (V)	Input Voltage Range (V)	Supply Current (mA)	Accuracy (%)	Type	Operating Temperature Range (°C)	Price Each		
									1	10	100
◆ 511-STPM32TR	STPM32TR	QFN-24	3.65	-0.3 to 4.2	3.9	0.5	Single Phase	-40 to +85	2.56	2.17	1.74
◆ 511-STPM33TR	STPM33TR	QFN-32L	3.65	-0.3 to 4.2	4.6	0.1	Single Phase	-40 to +85	2.11	1.80	1.44
◆ 511-STPM34TR	STPM34TR	QFN-32L	3.65	-0.3 to 4.2	5.5	0.1	Three Phase	-40 to +85	2.29	1.95	1.56

SHUNT VOLTAGE REFERENCES

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Output Voltage (Typ.) (V)	Voltage Precision (%)	Temperature Coefficient (ppm/°C)	Cathode Current Range (mA)	Dynamic Impedance (Typ./Max.) (Ω)	Type	Operating Temperature Range (°C)	Price Each		
										1	10	100
Precision												
◆ 511-TS4061AICT-1.225	TS4061AICT-1.225	SOT-323-3L	1.225	0.1	20	20	-	Fixed	-40 to +85	1.14	.98	.753
◆ 511-TS4061AILT-1.225	TS4061AILT-1.225	SOT-23-3L	1.225	0.1	20	20	-	Fixed	-40 to +85	1.14	.98	.753
◆ 511-TS4061AICT-1.25	TS4061AICT-1.25	SOT-323-3L	1.25	0.1	20	20	-	Fixed	-40 to +85	1.14	.98	.753
◆ 511-TS4061AILT-1.25	TS4061AILT-1.25	SOT-23-3L	1.25	0.1	20	20	-	Fixed	-40 to +85	1.14	.98	.753
Programmable												
◆ 511-TLVH431BIL3T	TLVH431BIL3T	SOT-323-3L	1.24 to 18	0.25	100	-100 to 100	0.22/0.85	Adjust	-40 to +125	.74	.62	.40
◆ 511-TL1431ACCT	TL1431ACCT	SOT323-6L	2.5 to 36	0.25	±13	1 to 100	0.2/0.5	Adjust	-20 to +70	.55	.465	.30
◆ 511-TL1431ACL3T	TL1431ACL3T	SOT23-3L	2.5 to 36	0.25	±13	1 to 100	0.2/0.5	Adjust	-20 to +70	.55	.465	.30
◆ 511-TL1431ACL5T	TL1431ACL5T	SOT23-5L	2.5 to 36	0.25	±13	1 to 100	0.2/0.5	Adjust	-20 to +70	.55	.465	.30
◆ 511-TL1431CCT	TL1431CCT	SOT323-6L	2.5 to 36	0.4	±13	1 to 100	0.2/0.5	Adjust	-20 to +70	.62	.52	.317
◆ 511-TL1431CL3T	TL1431CL3T	SOT23-3L	2.5 to 36	0.4	±13	1 to 100	0.2/0.5	Adjust	-20 to +70	.69	.52	.327
◆ 511-TL1431CL5T	TL1431CL5T	SOT23-5L	2.5 to 36	0.4	±13	1 to 100	0.2/0.5	Adjust	-20 to +70	.69	.52	.327
◆ 511-TL431ACZ	TL431ACZ	TO-92	2.5 to 36	1	100	1 to 100	0.22/0.5	Adjust	0 to +70	.44	.312	.143

PUSH-BUTTON SMART RESET™ ICs

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Supply Current (Typ.) (mA)	V _{RST} (V)	I _{SRC} User Prog. 65kΩ Input Pull-Up (s)	Output Type	Reset Time-Out Period	Operating Temperature Range (°C)	Price Each			
									1	10	100	
Single												
◆ 511-SR1PAAU	SR1PAAU	uDFN-6L	0.0004	5.5	0.5 to 7.5	Open-drain, active-low	Factory Prog.	-40 to +85	.63	.524	.338	
◆ 511-STM6519APAAUB6F	STM6519APAAUB6F	uDFN-6L	0.0004	5.5	0.5 to 10	Open-drain, active-low	Factory Prog.	-40 to +85	.56	.468	.302	
◆ 511-STM6519APARUB6F	STM6519APARUB6F	uDFN-6L	0.0004	5.5	1 to 7.5	Open-drain, active-low	User Prog.	-40 to +85	.56	.471	.304	
◆ 511-STM6601CA2BDM6F	STM6601CA2BDM6F	TDFN-12	0.006	5.5	10	Open-drain, active-low	Factory Prog.	-40 to +85	1.33	1.14	.877	
Dual												
◆ 511-STM6503SEAADG6F	STM6503SEAADG6F	TDFN-8	0.0004	1.575	2 to 10	Open-drain, active-low	User Prog.	-40 to +85	.75	.626	.404	
◆ 511-SR2LABU	SR2LABU	uDFN-6	0.0015	5.5	0.5 to 6.0	Open-drain, active-low	Factory Prog.	-40 to +85	.63	.524	.338	
◆ 511-SR2LARU	SR2LARU	uDFN-6	0.0015	5.5	0.5 to 6.0	Open-drain, active-low	Factory Prog.	-40 to +85	.63	.524	.338	
◆ 511-SR2UARU	SR2UARU	uDFN-6	0.0015	5.5	0.5 to 10.0	Open-drain, active-low	Factory Prog.	-40 to +85	.63	.524	.338	
◆ 511-SRC0CS25D	SRC0CS25D	DFN-12	0.006	5.5	10.0	Open-drain, Push-pull	Factory Prog.	-40 to +85	1.55	1.32	1.01	

LOW POWER VOLTAGE DETECTORS

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Threshold Voltage (Typ.) (V)	Supply Current (Typ.) (µA)	Output Type	Operating Temperature Range (°C)	Price Each		
							1	10	100
◆ 511-STM1061N29WX6F	STM1061N29WX6F	SOT-23-3	2.9	0.9	Open-drain, active-low	-40 to +85	.50	.419	.255
◆ 511-STM1061N30WX6F	STM1061N30WX6F	SOT-23-3	3.0	0.9	Open-drain, active-low	-40 to +85	.50	.419	.255
◆ 511-STM1061N31W6F	STM1061N31W6F	SOT-23-3	3.1	0.9	Open-Drain, Active-Low	-40 to +85	.57	.477	.29

VOLTAGE SUPERVISORS

◆ Surface Mount Devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Supply Current (Max.) (µA)	Supply Voltage (Max.) (V)	Threshold Voltage (V)	Description	Operating Temperature Range (°C)	Price Each		
								1	10	100
◆ 511-STM6710KWB6F	STM6710KWB6F	SOT-23-6	115	5.5	1.8/2.5/3.3/5.0	For up to four supply voltages	-40 to +85	.89	.761	.585
◆ 511-STM6710FWB6F	STM6710FWB6F	SOT-23-6	115	5.5	1.8/2.5/3.3/5.0	For up to four supply voltages	-40 to +85	.89	.761	.585