

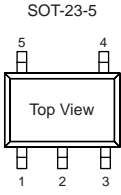
HIGH PRECISION VOLTAGE DETECTORS

The S-809 Series is a high-precision voltage detector developed using a CMOS process. The detection voltage is fixed internally, with an accuracy of ±2.0%. Attachment of an external capacitor can delay the release signal.

S-809 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Form	Detection Voltage (V)	Hysteresis Width (V) (Typ.)	Current Consumption (µA) (Typ.)	Price Each		
							1	100	500
Surface Mount									
628-80920ALM	S-80920ALMP-DAH-T2	SOT-23-5	CMOS	2.0	0.100	1.2 (VDD = 3.5V)	.72	.65	.57
628-80920ANM	S-80920ANMP-DDH-T2	SOT-23-5	N-Ch open	2.0	0.100	1.2 (VDD = 3.5V)	.72	.65	.57
628-80920CLM	S-80920CLMC-G6Q-T2	SOT-23-5	CMOS	2.0	0.100	1.2 (VDD = 3.5V)	.48	.43	.38
628-80920CNM	S-80920CNMC-G8Q-T2	SOT-23-5	N-Ch open	2.0	0.100	1.2 (VDD = 3.5V)	.48	.43	.38
628-80925CLM	S-80925CLMC-G6V-T2	SOT-23-5	CMOS	2.5	0.125	1.2 (VDD = 3.5V)	.48	.43	.38
628-80925CNM	S-80925CNMC-G8V-T2	SOT-23-5	N-Ch open	2.5	0.125	1.2 (VDD = 3.5V)	.48	.43	.38
628-80927ALM	S-80927ALMP-DAQ-T2	SOT-23-5	CMOS	2.7	0.135	1.3 (VDD = 4.5V)	.72	.65	.57
628-80927ANM	S-80927ANMP-DDQ-T2	SOT-23-5	N-Ch open	2.7	0.135	1.3 (VDD = 4.5V)	.72	.65	.57
628-80927CLM	S-80927CLMC-G6X-T2	SOT-23-5	CMOS	2.7	0.135	1.3 (VDD = 4.5V)	.48	.43	.38
628-80927CNM	S-80927CNMC-G8X-T2	SOT-23-5	N-Ch open	2.7	0.135	1.3 (VDD = 4.5V)	.48	.43	.38
628-80930ALM	S-80930ALMP-DAT-T2	SOT-23-5	CMOS	3.0	0.150	1.3 (VDD = 4.5V)	.72	.65	.57
628-80930ANM	S-80930ANMP-DDT-T2	SOT-23-5	N-Ch open	3.0	0.150	1.3 (VDD = 4.5V)	.72	.65	.57
628-80930CLM	S-80930CLMC-G60-T2	SOT-23-5	CMOS	3.0	0.150	1.3 (VDD = 4.5V)	.48	.43	.38
628-80930CNM	S-80930CNMC-G80-T2	SOT-23-5	N-Ch open	3.0	0.150	1.3 (VDD = 4.5V)	.48	.43	.38
628-80943ALM	S-80943ALMP-DA7-T2	SOT-23-5	CMOS	4.3	0.215	1.5 (VDD = 6.0V)	.72	.65	.57
628-80943ANM	S-80943ANMP-DD7-T2	SOT-23-5	N-Ch open	4.3	0.215	1.5 (VDD = 6.0V)	.72	.65	.57
628-80943CLM	S-80943CLMC-G7D-T2	SOT-23-5	CMOS	4.3	0.215	1.5 (VDD = 6.0V)	.48	.43	.38
628-80943CNM	S-80943CNMC-G9D-T2	SOT-23-5	N-Ch open	4.3	0.215	1.5 (VDD = 6.0V)	.48	.43	.38
628-80945ALM	S-80945ALMP-DA9-T2	SOT-23-5	CMOS	4.5	0.225	1.5 (VDD = 6.0V)	.72	.65	.57
628-80945CLM	S-80945CLMC-G7F-T2	SOT-23-5	CMOS	4.5	0.225	1.5 (VDD = 6.0V)	.48	.43	.38
628-80945CNM	S-80945CNMC-G9F-T2	SOT-23-5	N-Ch open	4.5	0.250	1.5 (VDD = 6.0V)	.48	.43	.38
628-80950ALM	S-80950ALMP-DEE-T2	SOT-23-5	CMOS	5.0	0.250	1.5 (VDD = 6.0V)	.72	.65	.57
628-80950ANM	S-80950ANMP-DJE-T2	SOT-23-5	N-Ch open	5.0	0.250	1.5 (VDD = 6.0V)	.72	.65	.57
628-80950CLM	S-80950CLMC-G7L-T2	SOT-23-5	CMOS	5.0	0.250	1.5 (VDD = 6.0V)	.48	.43	.38
628-80950CNM	S-80950CNMC-G9L-T2	SOT-23-5	N-Ch open	5.0	0.250	1.5 (VDD = 6.0V)	.48	.43	.38



HIGH PRECISION VOLTAGE REGULATORS

The S-812 Series is a three-terminal positive voltage regulator made using the CMOS process. Since this has higher precision output voltage and consumes less current than existing three-terminal voltage regulators, battery-powered portable equipment can have a higher performance and a longer service life.

S-812 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	I/O Voltage Difference (V) (Typ.)	Current Consumption (µA) (Typ.)	Input Voltage (V) (Max.)	Price Each		
							1	100	500
Surface Mount									
628-81215SG	S-81215SGUP-DQK-T1	SOT-89-3	1.5	0.030	1.2	10	.55	.50	.45
628-81215SGQ	S-81215SG-QK-T1	SOT-23-5	1.5	0.030	1.2	10	.55	.50	.45
628-81218SG	S-81218SG-QR-T1	SOT-23-5	1.8	0.720	1.2	10	.55	.50	.45
628-81225SG	S-81225SGUP-DQH-T1	SOT-89-3	2.5	0.590	1.2	10	.55	.50	.45
628-81225SGQ	S-81225SG-QH-T1	SOT-23-5	2.5	0.590	1.2	10	.55	.50	.45
628-812C25AU	S-812C25AUA-C2F-T2	SOT-89-5	2.5	0.590	0.9	10	.51	.46	.41
628-812C25AM	S-812C25AMC-C2F-T2	SOT-23-5	2.5	0.590	0.9	10	.51	.46	.41
628-81230SG	S-81230SGUP-DQB-T1	SOT-89-3	3.0	0.440	1.2	16	.55	.50	.45
628-812C30AU	S-812C30AUA-C2K-T2	SOT-89-5	3.0	0.440	1.0	16	.51	.46	.41
628-812C30AM	S-812C30AMC-C2K-T2	SOT-23-5	3.0	0.440	1.0	16	.51	.46	.41
628-81233SG	S-81233SGUP-DQF-T1	SOT-89-3	3.3	0.370	1.2	16	.55	.50	.45
628-81233SGQ	S-81233SG-QF-T1	SOT-23-5	3.3	0.370	1.2	16	.55	.50	.45
628-812C33AU	S-812C33AUA-C2N-T2	SOT-89-5	3.3	0.370	1.0	16	.51	.46	.41
628-812C33AM	S-812C33AMC-C2N-T2	SOT-23-5	3.3	0.370	1.0	16	.51	.46	.41
628-81235SG	S-81235SGUP-DQI-T1	SOT-89-3	3.5	0.340	1.2	16	.55	.50	.45
628-81235SGQ	S-81235SG-QI-T1	SOT-23-5	3.5	0.340	1.2	16	.77	.70	.63
628-812C35AU	S-812C35AUA-C2P-T2	SOT-89-5	3.5	0.340	1.0	16	.51	.46	.41
628-812C35AM	S-812C35AMC-C2P-T2	SOT-23-5	3.5	0.340	1.0	16	.51	.46	.41
628-81240SG	S-81240SGUP-DQJ-T1	SOT-89-3	4.0	0.270	1.2	16	.55	.50	.45
628-81240SGQ	S-81240SG-QJ-T1	SOT-23-5	4.0	0.270	1.2	16	.77	.70	.63
628-812C40AU	S-812C40AUA-C2U-T2	SOT-89-5	4.0	0.270	1.2	16	.51	.46	.41
628-812C40AM	S-812C40AMC-C2U-T2	SOT-23-5	4.0	0.270	1.2	16	.51	.46	.41
628-81250SGQ	S-81250SG-QD-T1	SOT-23-5	5.0	0.160	1.2	16	.55	.50	.45
628-812C50AU	S-812C50AUA-C3E-T2	SOT-89-5	5.0	0.160	1.2	16	.51	.46	.41
628-812C50AM	S-812C50AMC-C3E-T2	SOT-23-5	5.0	0.160	1.2	16	.51	.46	.41
Thru-Hole									
628-81215SGY	S-81215SGY-B	TO-92	1.5	0.030	1.2	10	.55	.50	.45
628-81225SGY	S-81225SGY-B	TO-92	2.5	0.590	1.2	10	.77	.70	.63
628-812C25AY	S-812C25AY-B	TO-92	2.5	0.290	0.9	10	.51	.46	.41
628-81230SGY	S-81230SGY-B	TO-92	3.0	0.440	1.2	16	.55	.50	.45
628-812C30AY	S-812C30AY-B	TO-92	3.0	0.440	1.0	16	.51	.46	.41
628-81233SGY	S-81233SGY-B	TO-92	3.3	0.370	1.2	16	.77	.70	.63
628-812C33AY	S-812C33AY-B	TO-92	3.3	0.370	1.0	16	.51	.46	.41
628-81235SGY	S-81235SGY-B	TO-92	3.5	0.340	1.2	16	.77	.70	.63
628-812C35AY	S-812C35AY-B	TO-92	3.5	0.340	1.0	16	.51	.46	.41
628-81240SGY	S-81240SGY-B	TO-92	4.0	0.270	1.2	16	.77	.70	.63
628-812C40AY	S-812C40AY-B	TO-92	4.0	0.270	1.2	16	.51	.46	.41
628-81250SGY	S-81250SGY-B	TO-92	5.0	0.160	1.2	16	.77	.70	.63
628-812C50AY	S-812C50AY-B	TO-92	5.0	0.160	1.2	16	.51	.46	.41

The S-813 Series is a three-terminal positive voltage regulator made using a CMOS process. The output voltage is fixed internally. This series has a higher accuracy of output voltage (±2.4%) and needs a smaller input/output voltage (V_{df}=0.12V when I_{OUT} is 40mA) than the S-812 series, so battery-powered portable equipment can have a higher capacity and a longer service life.

S-813 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	I/O Voltage Difference (V) (Typ.)	Current Consumption (µA) (Typ.)	Input Voltage (V) (Max.)	Price Each		
							1	100	500
Surface Mount									
628-81350HGK	S-81350HG-KD-T1	SOT-89-3	5.0	0.160	16	15	.84	.76	.68

