

# SEIKO INSTRUMENTS Voltage Regulators



This product is RoHS compliant.

## SII HIGH PRECISION VOLTAGE REGULATORS (CONT.)

### S-817 Series (Cont.)

The S-817 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. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min.)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each					
									1	100	500	1000		
<b>Surface Mount (Cont.)</b>														
628-817A27ANB-G	S-817A27ANB-CUQT2G	SC-82AB	2.7	0.310	50	±2	1.2	10	.51	.46	.41	.35		
628-817A30ANB-G	S-817A30ANB-CUTT2G	SC-82AB	3.0	0.250	50	±2	1.2	10	.51	.46	.41	.35		
628-817B30AMC-G	S-817B30AMC-CWTT2G	SOT-23-5	3.0	0.250	50	±2	1.2	10	.51	.46	.41	.35		
628-817B30AUA-G	S-817B30AUA-CWTT2G	SOT-89-3	3.0	0.250	50	±2	1.2	10	.51	.46	.41	.35		
628-817A33ANB-G	S-817A33ANB-CUWT2G	SC-82AB	3.3	0.250	50	±2	1.2	10	.51	.46	.41	.35		
628-817B33AMC-G	S-817B33AMC-CWWT2G	SOT-23-5	3.3	0.250	50	±2	1.2	10	.51	.46	.41	.35		
628-817B33AUA-G	S-817B33AUA-CWWT2G	SOT-89-3	3.3	0.250	50	±2	1.2	10	.51	.46	.411	.351		
628-817A35ANB-G	S-817A35ANB-CUYT2G	SC-82AB	3.5	0.220	50	±2	1.2	10	.51	.46	.41	.35		
628-817B35AMC-G	S-817B35AMC-CWYT2G	SOT-23-5	3.5	0.220	50	±2	1.2	10	.51	.46	.41	.35		
628-817B35AUA-G	S-817B35AUA-CWYT2G	SOT-89-3	3.5	0.220	50	±2	1.2	10	.51	.46	.411	.351		
628-817A40ANB-G	S-817A40ANB-CVDT2G	SC-82AB	4.0	0.190	50	±2	1.2	10	.51	.46	.41	.35		
628-817B40AMC-G	S-817B40AMC-CXDT2G	SOT-23-5	4.0	0.190	50	±2	1.2	10	.51	.46	.411	.351		
628-817B40AUA-G	S-817B40AUA-CXDT2G	SOT-89-3	4.0	0.190	50	±2	1.2	10	.51	.46	.411	.351		
628-817A50ANB-G	S-817A50ANB-CVNT2G	SC-82AB	5.0	0.160	50	±2	1.2	10	.51	.46	.41	.35		
628-817B50AMC-G	S-817B50AMC-CXNT2G	SOT-23-5	5.0	0.160	50	±2	1.2	10	.51	.46	.411	.351		
628-817B50AUA-G	S-817B50AUA-CXNT2G	SOT-89-3	5.0	0.160	50	±2	1.2	10	.51	.46	.41	.35		
<b>Thru-Hole</b>														
628-817B15AY-G	S-817B15AY-B-G	TO-92	1.5	0.580	50	±2	1.2	10	.51	.46	.41	.35		
628-817B30AY-G	S-817B30AY-B-G	TO-92	3.0	0.250	50	±2	1.2	10	.51	.46	.41	.35		
628-817B33AY-G	S-817B33AY-B-G	TO-92	3.3	0.250	50	±2	1.2	10	.51	.46	.41	.35		
628-817B40AY-G	S-817B40AY-B-G	TO-92	4.0	0.190	50	±2	1.2	10	.51	.46	.411	.351		

### S-818 Series

The S-818 Series is a positive voltage regulator developed utilizing CMOS technology featured by low dropout voltage accuracy and low current consumption. Built in low ON-resistance transistor provides low dropout voltage and large output current. A ceramic capacitor of 2uF or more can be used as an output capacitor. A power-OFF circuit ensures long battery life. The packages available are recommended for configuring portable devices and large output current applications. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min.)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each					
									1	100	500	1000		
<b>Surface Mount</b>														
628-818A20AMC-G	S-818A20AMC-BGAT2G	SOT-23-5	2.0	0.510	200	±2	30	10	.51	.46	.411	.351		
628-818A25AMC-G	S-818A25AMC-BGFT2G	SOT-23-5	2.5	0.380	200	±2	30	10	.51	.46	.411	.351		
628-818A30AMC-G	S-818A30AMC-BGKT2G	SOT-23-5	3.0	0.300	200	±2	30	10	.51	.46	.41	.35		
628-818A33AMC-G	S-818A33AMC-BGNT2G	SOT-23-5	3.3	0.300	200	±2	30	10	.51	.46	.411	.351		
628-818A33AUC-G	S-818A33AUC-BGNT2G	SOT-89-5	3.3	0.300	200	±2	30	10	.51	.46	.411	.351		
628-818A40AMC-G	S-818A40AMC-BGUT2G	SOT-23-5	4.0	0.200	200	±2	30	10	.51	.46	.411	.351		
628-818A40AUC-G	S-818A40AUC-BGUT2G	SOT-89-5	4.0	0.200	200	±2	30	10	.51	.46	.411	.351		
628-818A50AMC-G	S-818A50AMC-BHET2G	SOT-23-5	5.0	0.170	200	±2	30	10	.51	.46	.411	.351		

## SII LOW DROP OUT VOLTAGE REGULATORS

### S-1111 Series

The S-1111 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life, and small SOT-23-5 package realizes high-density mounting. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min.)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each					
									1	100	500	1000		
<b>Surface Mount</b>														
628-1111B15MC-G	S-1111B15MC-NYATFG	SOT-23-5	1.5	0.200	150	±1	35	6.5	.46	.42	.38	.32		
628-1111B18MC-G	S-1111B18MC-NYDTFG	SOT-23-5	1.8	0.200	150	±1	35	6.5	.46	.42	.38	.32		
628-1111B25MC-G	S-1111B25MC-NYKTFG	SOT-23-5	2.5	0.200	150	±1	35	6.5	.46	.42	.38	.32		
628-1111B30MC-G	S-1111B30MC-NYPTFG	SOT-23-5	3.0	0.200	150	±1	35	6.5	.46	.42	.38	.32		
628-1111B33MC-G	S-1111B33MC-NYSTFG	SOT-23-5	3.3	0.200	150	±1	35	6.5	.46	.42	.38	.32		
628-1111B50MC-G	S-1111B50MC-NZJTFG	SOT-23-5	5.0	0.200	150	±1	35	6.5	.46	.42	.38	.32		

### S-1112 Series

The S-1112 series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life. Compared with the voltage regulators using the conventional CMOS process, a larger variety of capacitors are available, including small ceramic capacitors. A small SOT-23-5 package realizes high-density mounting. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min.)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each					
									1	100	500	1000		
<b>Surface Mount</b>														
628-1112B15MC-G	S-1112B15MC-L6ATFG	SOT-23-5	1.5	0.190	150	±1	50	5.5	.48	.44	.40	.33		
628-1112B18MC-G	S-1112B18MC-L6DTFG	SOT-23-5	1.8	0.190	150	±1	50	5.5	.48	.44	.40	.33		
628-1112B25MC-G	S-1112B25MC-L6KTFG	SOT-23-5	2.5	0.190	150	±1	50	5.5	.48	.44	.40	.33		
628-1112B30MC-G	S-1112B30MC-L6PTFG	SOT-23-5	3.0	0.190	150	±1	50	5.5	.48	.44	.40	.33		
628-1112B33MC-G	S-1112B33MC-L6STFG	SOT-23-5	3.3	0.190	150	±1	50	5.5	.48	.44	.40	.33		
628-1112B50MC-G	S-1112B50MC-L6JTFG	SOT-23-5	5.0	0.190	150	±1	50	5.5	.48	.44	.40	.33		

### S-1131 Series

The S-1131 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life and a small SOT-89-5 package realizes high-density mounting. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min.)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each					
									1	100	500	1000		
<b>Surface Mount</b>														
628-1131B15UC-G	S-1131B15UC-N4ATFG	SOT-89-5	1.5	0.250	300	±1	35	6.5	.51	.46	.41	.35		
628-1131B18UC-G	S-1131B18UC-N4DTFG	SOT-89-5	1.8	0.250	300	±1	35	6.5	.51	.46	.41	.35		
628-1131B25UC-G	S-1131B25UC-N4KTFG	SOT-89-5	2.5	0.250	300	±1	35	6.5	.51	.46	.41	.35		
628-1131B30UC-G	S-1131B30UC-N4PTFG	SOT-89-5	3.0	0.250	300	±1	35	6.5	.51	.46	.41	.35		
628-1131B33UC-G	S-1131B33UC-N4STFG	SOT-89-5	3.3	0.250	300	±1	35	6.5	.51	.46	.41	.35		
628-1131B50UC-G	S-1131B50UC-N5JTFG	SOT-89-5	5.0	0.250	300	±1	35	6.5	.51	.46	.41	.35		

### S-1165 Series

The S-1165 Series is a positive voltage regulator with a low dropout voltage, high output voltage accuracy, and low current consumption developed based on CMOS technology. A built-in low on-resistance transistor provides a low dropout voltage and large output current, and a built-in overcurrent protector prevents the load current from exceeding the current capacitance of the output transistor. An ON/OFF circuit ensures a long battery life and a small SOT-23-5 package realizes high-density mounting. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Seiko Part No.	Package Type	Output Voltage (V)	Dropout Voltage (V)(Typ.)	Output Current (Min.)(mA)	Accuracy (%)	Current Consumption (uA)(Typ.)	Input Voltage (V)(Max.)	Price Each					
									1	100	500	1000		
<b>Surface Mount</b>														
628-1165B15MC-G	S-1165B15MC-N6ATFG	SOT-23-5	1.5	0.140	200	±1	35	6.5	.53	.48	.43	.36		
628-1165B25MC-G	S-1165B25MC-N6KTFG	SOT-23-5	2.5	0.140	200	±1	35	6.5	.53	.48	.43	.36		
628-1165B30MC-G	S-1165B30MC-N6PTFG	SOT-23-5	3.0	0.140	200	±1	35	6.5	.53	.48	.43	.36		
628-1165B33MC-G	S-1165B33MC-N6STFG	SOT-23-5	3.3	0.140	200	±1	35	6.5	.53	.48	.43	.36		
628-1165B50MC-G	S-1165B50MC-N7JTFG	SOT-23-5	5.0	0.140	200	±1	35	6.5	.53	.48	.43	.36		

