

SILICON LABORATORIES Current Sensors, RF ICs & Modems



SILICON LABORATORIES AC CURRENT SENSORS

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



For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Package	Full Scale Current (A)	Full Scale Error (% of Reading)	Isolation Rating	Output Mode	Price Each			
							1	10	100	500
634-SI8501-C-IM	SI8501-C-IM	QFN-12	5	+/- 5%	1 kV RMS	Single	1.22	.975	.892	.782
634-SI8502-C-IM	SI8502-C-IM	QFN-12	10	+/- 5%	1 kV RMS	Single	1.26	1.00	.925	.814
634-SI8503-C-IM	SI8503-C-IM	QFN-12	20	+/- 5%	1 kV RMS	Single	1.33	1.06	.97	.86
634-SI8501-C-IS	SI8501-C-IS	SOIC-20	5	+/- 5%	5 kV RMS	Single	1.67	1.33	1.22	1.07
634-SI8502-C-IS	SI8502-C-IS	SOIC-20	10	+/- 5%	5 kV RMS	Single	1.73	1.38	1.27	1.12
634-SI8503-C-IS	SI8503-C-IS	SOIC-20	20	+/- 5%	5 kV RMS	Single	1.81	1.44	1.33	1.16
634-SI8511-C-IM	SI8511-C-IM	QFN-12	5	+/- 5%	1 kV RMS	Ping-Pong	1.33	1.06	.97	.86
634-SI8512-C-IM	SI8512-C-IM	QFN-12	10	+/- 5%	1 kV RMS	Ping-Pong	1.37	1.09	1.01	.886
634-SI8513-C-IM	SI8513-C-IM	QFN-12	20	+/- 5%	1 kV RMS	Ping-Pong	1.44	1.15	1.06	.935
634-SI8511-C-IS	SI8511-C-IS	SOIC-20	5	+/- 5%	5 kV RMS	Ping-Pong	1.81	1.44	1.33	1.16
634-SI8512-C-IS	SI8512-C-IS	SOIC-20	10	+/- 5%	5 kV RMS	Ping-Pong	1.89	1.51	1.39	1.22
634-SI8513-C-IS	SI8513-C-IS	SOIC-20	20	+/- 5%	5 kV RMS	Ping-Pong	1.98	1.58	1.45	1.28
634-SI8517-C-IM	SI8517-C-IM	QFN-12	5	+/- 5%	1 kV RMS	Ping-Pong	1.33	1.06	.97	.86
634-SI8518-C-IM	SI8518-C-IM	QFN-12	10	+/- 5%	1 kV RMS	Ping-Pong	1.37	1.09	1.01	.886
634-SI8519-C-IM	SI8519-C-IM	QFN-12	20	+/- 5%	1 kV RMS	Ping-Pong	1.44	1.15	1.06	.935
634-SI8517-C-IS	SI8517-C-IS	SOIC-20	5	+/- 5%	5 kV RMS	Ping-Pong	1.81	1.44	1.33	1.16
634-SI8518-C-IS	SI8518-C-IS	SOIC-20	10	+/- 5%	5 kV RMS	Ping-Pong	1.89	1.51	1.39	1.22
634-SI8519-C-IS	SI8519-C-IS	SOIC-20	20	+/- 5%	5 kV RMS	Ping-Pong	1.98	1.58	1.45	1.28

Current Sensor Development Tools



For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	Price Each
634-SI85XX-EVB	SI85XX-EVB	SI85xx Universal AC Current Sensor Evaluation Kit	19.95

SILICON LABORATORIES RF SYNTHESIZERS

Silicon Laboratories' wireless solutions are the world's most integrated, robust, reliable and easiest to use wireless solutions available in the GSM/GPRS market today. By eliminating more discretes and requiring fewer external components than alternate solutions, Silicon Laboratories' products empower our customers to add value-rich features and speed time to market. Best of all, Silicon Laboratories' develops and designs these world-class products in proven, standard CMOS process technology. Generate high-frequency signals used in wireless communication devices.

SI4112:	If Synthesizer Only (1F)	SI4133:	Dual Band (RF1 / RF2 / 1F)
SI4113:	Dual-Band Only (RF1 / RF2)	SI4126:	WLAN (RF2 / 1F)
SI4122:	Single-Band Only (RF2 / 1F)	SI4136:	WLPN (RF1 / RF2 / 1F)
SI4123:	Single-Band Only (RF1 / 1F)		

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Package	Description	RF1 (MHz)	RF2 (MHz)	IF (MHz)	Settling Time (µs)	Input RF (MHz)	Price Each		
									1	25	100
634-SI4112-D-GM	SI4112-D-GM	MLP-28	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	5.89	5.30	4.57
634-SI4112-D-GT	SI4112-D-GT	TSSOP-24	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	5.89	5.30	4.57
634-SI4113-D-GM	SI4113-D-GM	MLP-28	General Purpose	900 to 2050	750 to 1500MHz	n/a	200	2 to 26	8.73	7.86	6.78
634-SI4113-D-GT	SI4113-D-GT	TSSOP-24	General Purpose	900 to 2050	750 to 1500MHz	n/a	200	2 to 26	8.73	7.86	6.78
634-SI4122-D-GT	SI4122-D-GT	MLP-28	General Purpose	n/a	750 to 1500MHz	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
634-SI4122-D-GM	SI4122-D-GM	TSSOP-24	General Purpose	n/a	750 to 1500MHz	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
634-SI4123-D-GT	SI4123-D-GT	TSSOP-24	General Purpose	900 to 2050	n/a	62.5 to 1000	200	2 to 26	8.73	7.86	6.78
634-SI4123-D-GM	SI4123-D-GM	MLP-28	GSM/GPRS	900 to 1800	n/a	500 to 1000	140	2 to 26	8.73	7.86	6.78
634-SI4126-F-GM	SI4126-F-GM	MLP-28	802.11b,g and ISM Band	n/a	2025 to 2300MHz	62.5 to 1000	80	2 to 50	8.73	7.86	6.78
634-SI4133-D-GM	SI4133-D-GM	MLP-28	General Purpose	900 to 2050	750 to 1500MHz	62.5 to 1000	200	2 to 26	10.89	9.80	8.45
634-SI4133-D-GT	SI4133-D-GT	TSSOP-24	General Purpose	900 to 2050	750 to 1500MHz	62.5 to 1000	200	2 to 26	10.89	9.80	8.45
634-SI4136-F-GM	SI4136-F-GM	MLP-28	802.11b,g and ISM Band	2300 to 2500	2025 to 2300MHz	62.5 to 1000	80	2 to 40	10.89	9.80	8.45
634-SI4136-F-GT	SI4136-F-GT	TSSOP-24	802.11b and ISM Band	2300 to 2500	2025 to 2300MHz	62.5 to 1000	80	2 to 50	10.89	9.80	8.45

Evaluation Boards

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	SiLabs Part No.	Description	RF1 (MHz)	RF2 (MHz)	IF (MHz)	Settling Time (Ns)	Input RF (MHz)	Price Each
634-SI4112M-EVB	SI4112M-EVB	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	225.00
634-SI4113M-EVB	SI4113M-EVB	General Purpose	900 to 1800	750 to 1500	62.5 to 1000	Prop. to T ₀	2 to 26	225.00
634-SI4122M-EVB	SI4122M-EVB	General Purpose	n/a	750 to 1500	62.5 to 1000	200	2 to 26	225.00
634-SI4123M-EVB	SI4123M-EVB	General Purpose	900 to 2050	n/a	62.5 to 1000	200	2 to 26	225.00
634-SI4126M-EVB	SI4126M-EVB	802.11b and ISM Band	n/a	2025 to 2300	62.5 to 1000	80	2 to 50	225.00
634-SI4133M-EVB	SI4133M-EVB	General Purpose	900 to 2050	750 to 1500	62.5 to 1000	200	2 to 26	225.00
634-SI4136M-EVB	SI4136M-EVB	802.11b,g and ISM Band	2300 to 2500	2025 to 2300	62.5 to 1000	80	2 to 50	225.00

SILICON LABORATORIES ISOMODEM™ EMBEDDED MODEMS

Silicon Laboratories' embedded modem solutions are most feature rich, compact and flexible 2400 baud modems on the market. Available in two 16-pin SOIC packages, the SI2401 and SI2400 embedded modem solutions eliminate the need for a separate DSP data pump, modem controller, codec, isolation transformer, relay, opto-isolators and 2-4 wire hybrid.

Features:

- Simple AT command UART interface
- Globally compliant line interface
- Line-in-use and parallel phone intrusion detection
- Caller ID detection and decode

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MOUSER STOCK NO.	SiLabs Part No.	Description	Package	Line-Side Device	Max Data Rate	Voice Codec	Price Each	
							1	100
634-SI2401-FS	SI2401-FS	V.22bis modem chipset	SOIC - 16	SI3010-FS	2400 bps	No	15.85	11.98
634-SI2400-KS	SI2400-KS	V.22bis modem chipset	SOIC - 16	SI3015-KS	2400 bps	Yes	27.15	16.45
634-SI3010-FS	SI3010-FS	SI2401 Line Side Device	SOIC - 16	-	-	-	3.79	3.24
634-SI3015-KS	SI3015-KS	SI2400 Line Side Device	SOIC - 16	-	-	-	7.22	5.94
634-SI2401FS10-EVB	SI2401FS10-EVB	V.22bis modem evaluation board	PCB	SI3015-FS	2400 bps	No	150.00	-
634-SI2400URT-EVB	SI2400URT-EVB	V.22bis modem evaluation board	PCB	SI3015-KS	2400 bps	Yes	150.00	-

