

- Schott Corporation has worked closely with National Semiconductor to build a line of premium inductors designed specifically for use with the Simple Switcher® in DC/DC applications. Excellent self-shielding makes these inductors ideal for any EMI-sensitive use.
- The gapped core assures stable inductance with varying DC current. These characteristics are combined with low DC resistance to enable cooler running parts with less ripple.

Simple Switcher Specifications

Schott P/N	Previous Schott P/N	NSC Reference	Inductance μ H Min	Saturating Current Amps DC	Maximum DCR Ohms	Configuration
34037	67126980	L 47	42-50	3.00	0.025	18x11 PC
34038	67126990	L 68	65-78	3.00	0.030	22x13 PC
34039	67127000	L 100	92-112	3.00	0.035	22x13 PC
34040	67127010	L 150	135-160	2.00	0.045	22x13 PC
34041	67127020	L 220	200-240	1.30	0.070	18x11 PC
34042	67127030	L 330	300-360	1.00	0.110	18x11 PC
34043	67127040	L 470	430-510	0.95	0.145	18x11 PC
34044	67127050	L 680	620-730	0.62	0.175	18x11 PC
34045	67127060	H 150	135-165	3.00	0.060	22x13 PC
34046	67127070	H 220	195-235	3.00	0.040	30x19 PC
34047	67127080	H 330	295-355	3.00	0.070	30x19 PC
34048	67127090	H 470	430-520	1.90	0.060	30x19 PC
34049	67127100	H 680	620-750	1.30	0.280	22x13 PC
34050	67127110	H1000	900-1100	0.90	0.250	22x13 PC
34051	67127120	H1500	1400-1600	0.62	0.260	22x13 PC
34052	67127130	H2200	2000-2400	0.42	0.900	18x11 PC

Parts availability subject to Schott manufacturing schedules and leadtimes. Not all parts available from stock. Please contact us for more details and availability. The Adobe Acrobat Reader is required to view these linked documents.

Electrical Specifications Test Criteria

1. These inductors are designed for operating within a temperature range of -40°C to $+130^{\circ}\text{C}$.
All electrical characteristics are reported for operating at 25°C .
2. Inductance is measured at 10 kHz, 0.1 Vrms, except for parts #67127030, 040, and 050 which are measured at 10 kHz, 0.2 Vrms.
3. Saturating current is the current at which the inductance is equal to a minimum of 90% of the rated value.

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