Itacoil specializes in designing and manufacturing any kind of THD and SMD inductor for a wide range of applications:

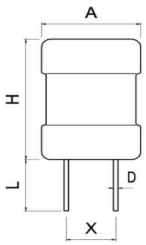
Linear – These coated micro-inductors are available in different sizes and with inductance values according to the market standard.
They have the typical shape of resistors with epoxy coating and competitive costs.
Inductors with axial and radial leads are among the most utilized thanks to their flexibility, which allows to accomplish the most varied requirements of current values range, inductance, sizes and packing type: bulk or on radial, axial and hybrid tape.
SMD assembly inductors group is one of the biggest, because of the existence of many sizes and versions; obviously supplied in tape&reel.
Classic solenoid inductors on cylindrical core (ROD) or similar, for high-currents, can be supplied also with preformed leads to facilitate the assembly and allows to accomplish many requirements, particularly the ones concerning EMC functions.

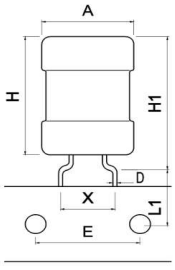
Toroidal – Realized on ferrite cores, iron powder cores and other most valuable materials, such as molypermalloy, sendust and similar. They combine performance requirements with inexpensiveness. We can supply them naked, coated (heat-shrink tubing, high-thickness polyammidic conformal coating, etc.) or encapsulated, also for SMD assembly.

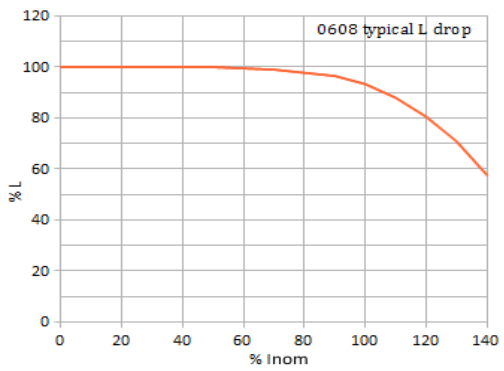
SLD0608 series - 10µH...10mH 2.6A...80mA

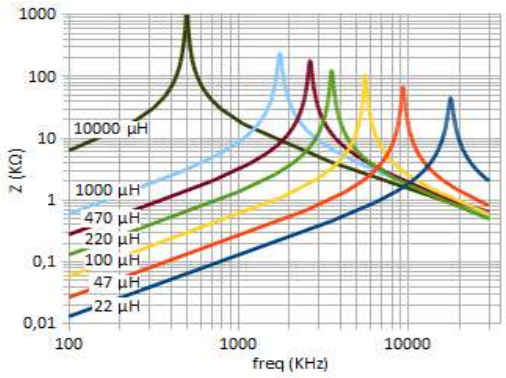
- Suited for both EMC and energy storage using (filters, SMPS, etc.)
- SLDxxxxxx = Bulk packaging
- SLDxxxxxxN = Taped packaging (with the suffix "N")
- Other values or taped versions with X=3mm on request
- Available in Design kit (see on www.itacoilweb.com/portfolio/inductors-design-kit/)

Code	Nominal Inductance[1]	Nominal Current[2]	Saturation Current[3]	Typical DCR[4]	SRF min
SLD0608100	10 µH	2.60 A	3.22 A	40 mΩ	12.4 MHz
SLD0608150	15 µH	2.10 A	2.67 A	62 mΩ	12.4 MHz
SLD0608220[P]	22 µH	1.72 A	2.20 A	91 mΩ	12.4 MHz
SLD0608330	33 µH	1.40 A	1.77 A	130 mΩ	6.5 MHz
SLD0608470[P]	47 µH	1.26 A	1.51 A	170 mΩ	6.5 MHz
SLD0608680	68 µH	1.00 A	1.24 A	265 mΩ	4.3 MHz
SLD0608101[P]	100 µH	0.85 A	1.04 A	370 mΩ	4.3 MHz
SLD0608151	150 µH	0.70 A	0.84 A	550 mΩ	2.5 MHz
SLD0608221[P]	220 µH	0.61 A	0.69 A	800 mΩ	2.5 MHz
SLD0608331	330 µH	0.50 A	0.57 A	1.21 Ω	1.8 MHz
SLD0608471[P]	470 µH	0.40 A	0.48 A	1.65 Ω	1.8 MHz
SLD0608681	680 µH	0.30 A	0.40 A	2.55 Ω	1.2 MHz
SLD0608102[P]	1.0 mH	0.27 A	0.33 A	3.65 Ω	1.2 MHz
SLD0608222	2.2 mH	0.20 A	0.22 A	7.22 Ω	0.7 MHz
SLD0608472	4.7 mH	0.10 A	0.15 A	16.3 Ω	0.5 MHz
SLD0608103	10 mH	0.08 A	0.10 A	40.0 Ω	0.35 MHz

Dimensions	mm	Bulk version drawing	.stp file Download
A max (Ø)	7.3		
H max	9.9		
X typ	3.0		
L min	3.0		
D typ (Ø)	0.6		

Dimensions	mm	Taped version drawing	.stp file Download
A max (Ø)	7.3		
H max	9.9		
H1 max	16.0		
X typ	5.0		
L1 min	15.0		
D typ (Ø)	0.6		
E typ	12.7		

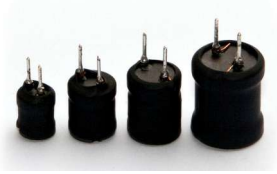




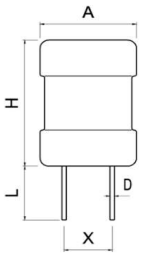
[1] *Tolerances ±10% - Measured @10KHz-100mV.*
[2] *Max continuous DC current for 30°C temperature rise. The temperature of inductor does not exceed 125°C, Trise included.*
[3] *Max peak current for inductance decreasing within rated value -25%.*
[4] *Referred to 20°C.*
[P] *Preferential items usually on stock (bulk packaging version).*

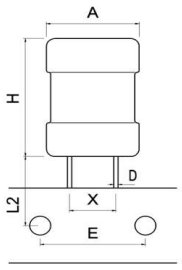
SLD0810 series - 10µH...10mH 4A...140mA

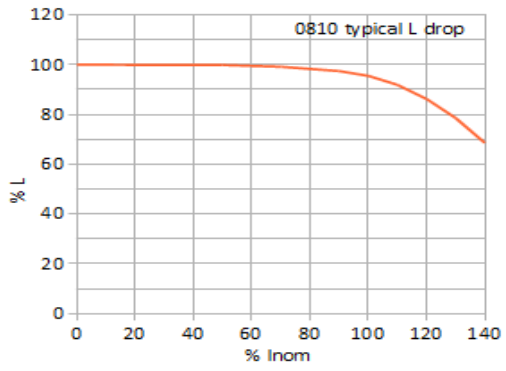
- Suited for both EMC and energy storage using (filters, SMPS, etc.)
- SLDxxxxxx = Bulk packaging
- SLDxxxxxxN = Taped packaging (with the suffix "N")
- Other values on request
- Available in Design kit (see on www.itacoilweb.com/portfolio/inductors-design-kit/)

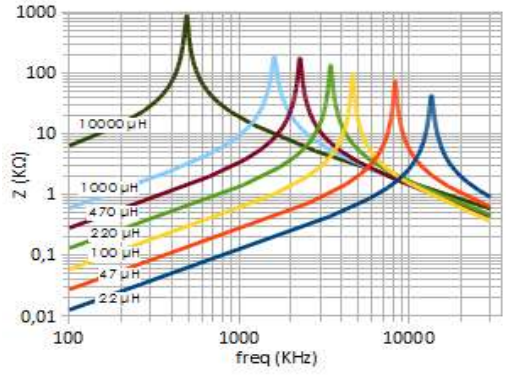


Code	Nominal Inductance[1]	Nominal Current[2]	Saturation Current[3]	Typical DCR[4]	SRF min
SLD0810100	10 µH	4.11 A	5.13 A	19 mΩ	9.5 MHz
SLD0810150	15 µH	3.45 A	4.17 A	27 mΩ	9.5 MHz
SLD0810220[P]	22 µH	2.90 A	3.39 A	38 mΩ	9.5 MHz
SLD0810330	33 µH	2.39 A	2.85 A	56 mΩ	5.8 MHz
SLD0810470[P]	47 µH	2.00 A	2.33 A	80 mΩ	5.8 MHz
SLD0810680	68 µH	1.63 A	1.97 A	125 mΩ	3.2 MHz
SLD0810101[P]	100 µH	1.36 A	1.62 A	190 mΩ	3.2 MHz
SLD0810151	150 µH	1.15 A	1.33 A	250 mΩ	2.4 MHz
SLD0810221[P]	220 µH	0.95 A	1.10 A	355 mΩ	2.4 MHz
SLD0810331	330 µH	0.77 A	0.90 A	540 mΩ	1.6 MHz
SLD0810471[P]	470 µH	0.62 A	0.75 A	825 mΩ	1.6 MHz
SLD0810681	680 µH	0.52 A	0.62 A	1.18 Ω	1.1 MHz
SLD0810102[P]	1.0 mH	0.42 A	0.52 A	1.75 Ω	1.1 MHz
SLD0810222	2.2 mH	0.29 A	0.35 A	3.95 Ω	0.7 MHz
SLD0810472	4.7 mH	0.20 A	0.24 A	8.15 Ω	0.5 MHz
SLD0810103	10 mH	0.14 A	0.16 A	16.7 Ω	0.3 MHz

Dimensions	mm	Bulk version drawing	.stp file Download
A max (Ø)	9.9		
H max	12.9		
X typ	5.0		
L min	3.0		
D typ (Ø)	0.6		

Dimensions	mm	Taped version drawing	.stp file Download
A max (Ø)	9.9		
H max	12.9		
X typ	5.0		
L2 min	18.0		
D typ (Ø)	0.6		
E typ	12.7		



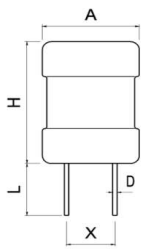


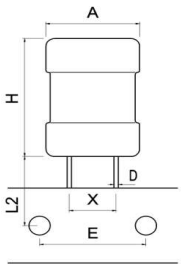
[1] *Tolerances ±10% - Measured @10KHz-100mV.*
[2] *Max continuous DC current for 30°C temperature rise. The temperature of inductor does not exceed 125°C, Trise included.*
[3] *Max peak current for inductance decreasing within rated value -25%.*
[4] *Referred to 20°C.*
[P] *Preferential items usually on stock (bulk packaging version).*

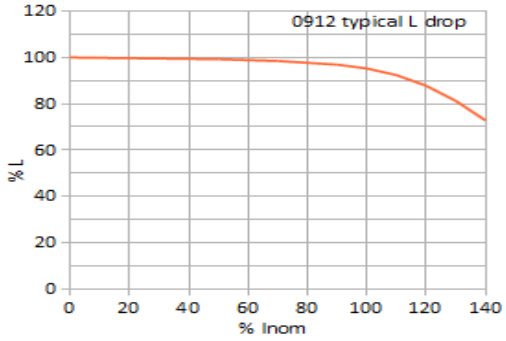
SLD0912 series - 10µH...10mH 5A...170mA

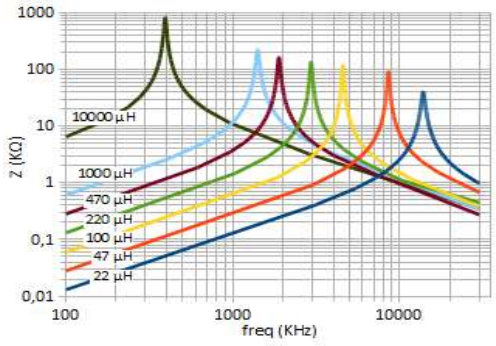
- Suited for both EMC and energy storage using (filters, SMPS, etc.)
- SLDxxxxxx = Bulk packaging
- SLDxxxxxxN = Taped packaging (with the suffix "N")
- Other values on request
- Available in Design kit (see on www.itacoilweb.com/portfolio/inductors-design-kit/)

Code	Nominal Inductance[1]	Nominal Current[2]	Saturation Current[3]	Typical DCR[4]	SRF min
SLD0912100	10 µH	5.00 A	5.91 A	16.8 mΩ	9.7 MHz
SLD0912150	15 µH	3.93 A	4.76 A	25 mΩ	9.7 MHz
SLD0912220[P]	22 µH	3.42 A	3.98 A	30 mΩ	9.7 MHz
SLD0912330	33 µH	2.78 A	3.31 A	50 mΩ	6.0 MHz
SLD0912470[P]	47 µH	2.24 A	2.75 A	70 mΩ	6.0 MHz
SLD0912680	68 µH	1.91 A	2.30 A	105 mΩ	3.2 MHz
SLD0912101[P]	100 µH	1.66 A	1.89 A	127 mΩ	3.2 MHz
SLD0912151	150 µH	1.36 A	1.54 A	200 mΩ	2,1 MHz
SLD0912221[P]	220 µH	1.09 A	1.27 A	300 mΩ	2.1 MHz
SLD0912331	330 µH	0.91 A	1.04 A	445 mΩ	1.3 MHz
SLD0912471[P]	470 µH	0.77 A	0.87 A	615 mΩ	1.3 MHz
SLD0912681	680 µH	0.63 A	0.72 A	910 mΩ	1.0 MHz
SLD0912102[P]	1.0 mH	0.52 A	0.60 A	1.31 Ω	1.0 MHz
SLD0912222	2.2 mH	0.35 A	0.40 A	2.61 Ω	0.8 MHz
SLD0912472	4.7 mH	0.23 A	0.28 A	6.68 Ω	0.4 MHz
SLD0912682	6.8 mH	0.18 A	0.22 A	10.60 Ω	0.4 MHz
SLD0912103	10 mH	0.17 A	0.19 A	13.20 Ω	0.2 MHz

Dimensions	mm	Bulk version drawing	.stp file Download
A max (Ø)	10.8		
H max	15.1		
X typ	5.0		
L min	3.0		
D typ (Ø)	0.6		

Dimensions	mm	Taped version drawing	.stp file Download
A max (Ø)	10.8		
H max	15.1		
X typ	5.0		
L2 min	18.0		
D typ (Ø)	0.6		
E typ	12.7		

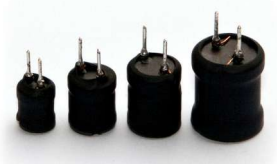




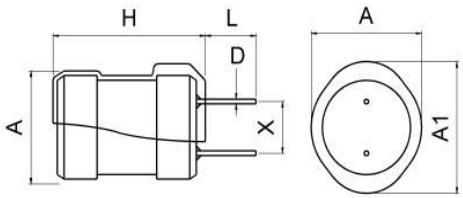
[1] *Tolerances ±10% - Measured @10KHz-100mV.*
[2] *Max continuous DC current for 30°C temperature rise. The temperature of inductor does not exceed 125°C, Trise included.*
[3] *Max peak current for inductance decreasing within rated value -25%.*
[4] *Referred to 20°C.*
[P] *Preferential items usually on stock (bulk packaging version).*

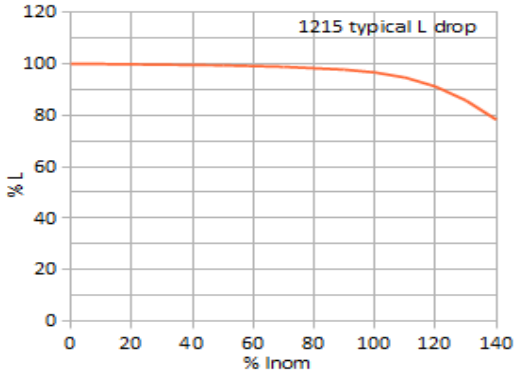
SLD1215 series - 10µH...10mH 9A...270mA

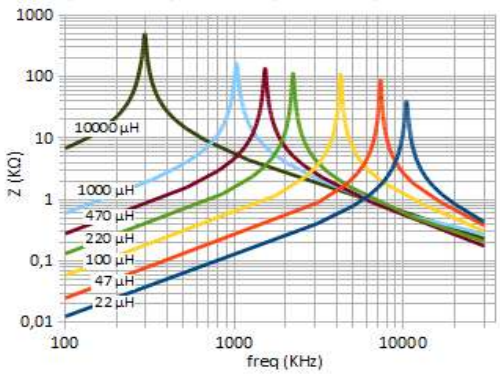
- Suited for both EMC and energy storage using (filters, SMPS, etc.)
- Other values on request
- Available in Design kit (see on www.itacoilweb.com/portfolio/inductors-design-kit/)



Code	Nominal Inductance[1]	Nominal Current[2]	Saturation Current[3]	Typical DCR[4]	SRF min
SLD1215100	10 µH	8.94 A	9.55 A	6 mΩ	7.3 MHz
SLD1215150	15 µH	6.58 A	8.00 A	12 mΩ	7.3 MHz
SLD1215220[P]	22 µH	5.02 A	6.58 A	22 mΩ	7.3 MHz
SLD1215330	33 µH	4.37 A	5.38 A	28 mΩ	5.1 MHz
SLD1215470[P]	47 µH	3.44 A	4.55 A	45 mΩ	5.1 MHz
SLD1215680	68 µH	3.22 A	3.84 A	53 mΩ	3.0 MHz
SLD1215101[P]	100 µH	2.53 A	3.18 A	83 mΩ	3.0 MHz
SLD1215151	150 µH	2.09 A	2.60 A	120 mΩ	1.6 MHz
SLD1215221[P]	220 µH	1.72 A	2.13 A	180 mΩ	1.6 MHz
SLD1215331	330 µH	1.41 A	1.75 A	270 mΩ	1.1 MHz
SLD1215471[P]	470 µH	1.16 A	1.46 A	405 mΩ	1.1 MHz
SLD1215681	680 µH	1.03 A	1.22 A	500 mΩ	0.7 MHz
SLD1215102[P]	1.0 mH	0.83 A	1.00 A	790 mΩ	0.7 MHz
SLD1215222	2.2 mH	0.58 A	0.68 A	1.62 Ω	0.5 MHz
SLD1215472	4.7 mH	0.38 A	0.46 A	3.68 Ω	0.3 MHz
SLD1215103	10 mH	0.27 A	0.32 A	7.62 Ω	0.2 MHz

Dimensions	mm	Drawing	.stp file Download
A max (Ø)	13.3[5]		
A1 max (Ø)	15.0		
H max	19.0		
X typ	7.5		
L min	3.0		
D typ (Ø)	0.8		



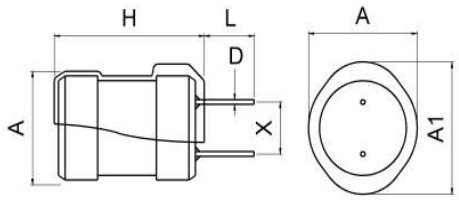


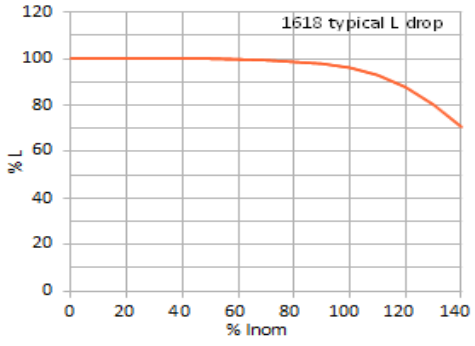
[1] *Tolerances ±10% - Measured @10KHz-100mV.*
[2] *Max continuous DC current for 30°C temperature rise. The temperature of inductor does not exceed 125°C, Trise included.*
[3] *Max peak current for inductance decreasing within rated value -25%.*
[4] *Referred to 20°C.*
[P] *Preferential items usually on stock.*
[5] *Only for SLD1215680 max heigh 13.6mm*

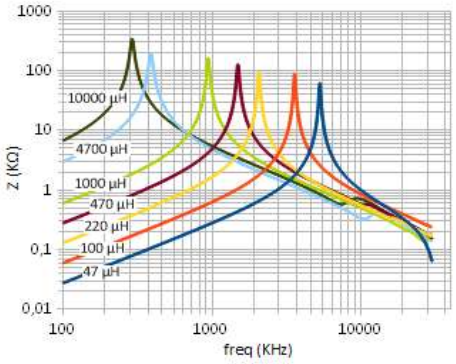
SLD1618 series - 47µH...10mH 5.1A...390mA

- Suited for both EMC and energy storage using (filters, SMPS, etc.)
- Other values on request
- Available in Design kit (see on www.itacoilweb.com/portfolio/inductors-design-kit/)

Code	Nominal Inductance[1]	Nominal Current[2]	Saturation Current[3]	Typical DCR[4]	SRF min
SLD1618470[P]	47 µH	5.10 A	6.64 A	24 mΩ	4.5 MHz
SLD1618680	68 µH	4.77 A	5.49 A	30 mΩ	2.9 MHz
SLD1618101[P]	100 µH	3.71 A	4.56 A	44 mΩ	2.9 MHz
SLD1618151	150 µH	3.15 A	3.68 A	68 mΩ	1.8 MHz
SLD1618221[P]	220 µH	2.52 A	3.08 A	103 mΩ	1.8 MHz
SLD1618331	330 µH	2.13 A	2.51 A	148 mΩ	1.3 MHz
SLD1618471[P]	470 µH	1.75 A	2.09 A	205 mΩ	1.3 MHz
SLD1618681	680 µH	1.50 A	1.75 A	300 mΩ	0.8 MHz
SLD1618102[P]	1.0 mH	1.22 A	1.44 A	442 mΩ	0.8 MHz
SLD1618222	2.2 mH	0.82 A	0.97 A	1.04 Ω	0.5 MHz
SLD1618472	4.7 mH	0.59 A	0.67 A	1.95 Ω	0.3 MHz
SLD1618103	10 mH	0.39 A	0.46 A	4.42 Ω	0.2 MHz

Dimensions	mm	Drawing	.stp file Download
A max (Ø)	17.5		
A1 max (Ø)	20.0		
H max	22.5		
X typ	10.0		
L min	3.0		
D typ (Ø)	0.8		





[1] *Tolerances ±10% - Measured @10KHz-100mV.*
[2] *Max continuous DC current for 30°C temperature rise. The temperature of inductor does not exceed 125°C, Trise included.*
[3] *Max peak current for inductance decreasing within rated value -25%.*
[4] *Referred to 20°C.*
[P] *Preferential items usually on stock.*