

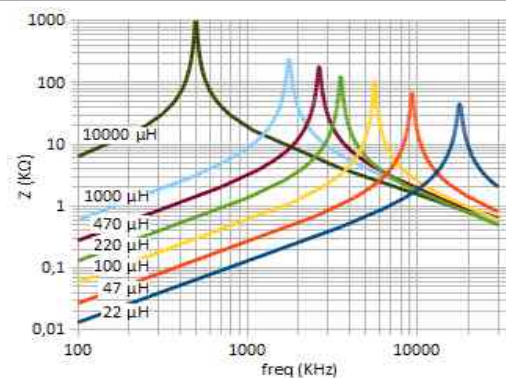
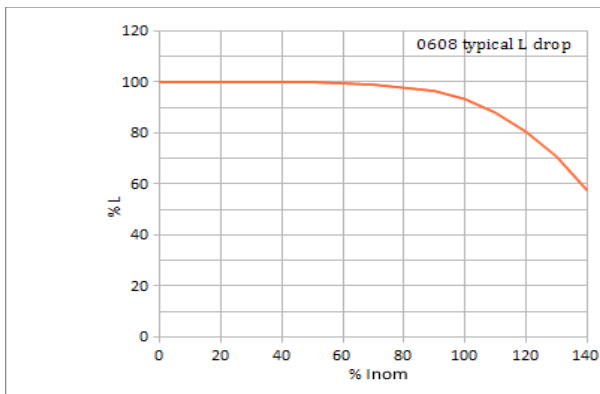
SLD0608 series - 10µH...10mH 2.6A...80mA

- Suited for both EMC and energy storage using (filters, SMPS, etc.)
- Others 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
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	721 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	3,56 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	36,7 Ω	0,35 MHz

Dimensions	mm	Drawing
a max (∅)	7,3	
h max	9,9	
x typ	3,0	
l min	3,0	
d typ (∅)	0,6	



¹ Tolerances ±10% - Measured @10KHz-100mV.

² Max continuous DC current for 30°C temperature rise.

³ Max peak current for inductance decreasing within rated value -20%.

⁴ Referred to 20°C.

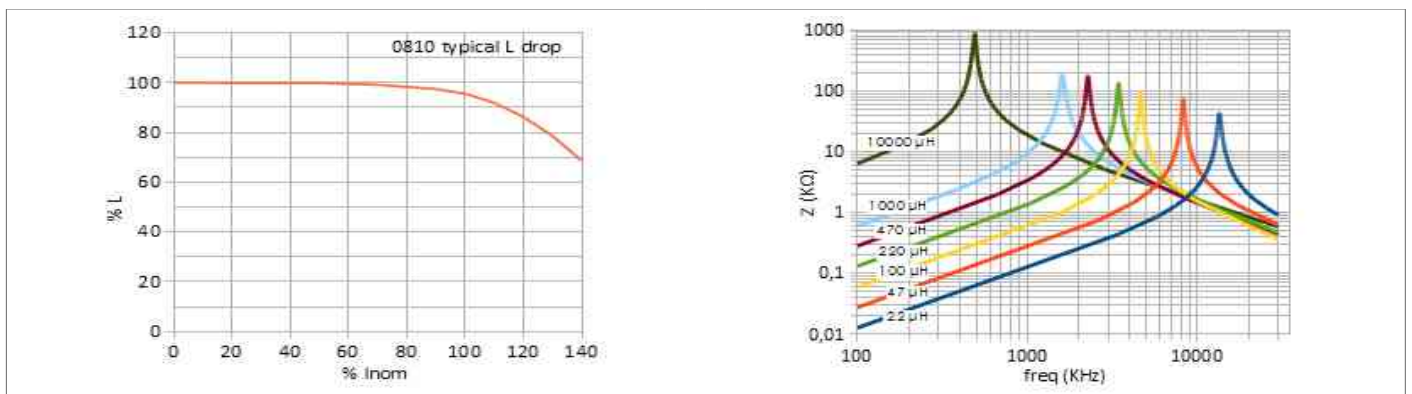
^P Preferential items usually in stock.

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- Others 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	24 mΩ	9,5 MHz
SLD0810150	15 µH	3,45 A	4,17 A	29 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	173 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	1,2 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	3,75 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	Drawing
a max (∅)	9,9	
h max	12,9	
x typ	5,0	
l min	3,0	
d typ (∅)	0,6	



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^p Preferential items usually in stock.

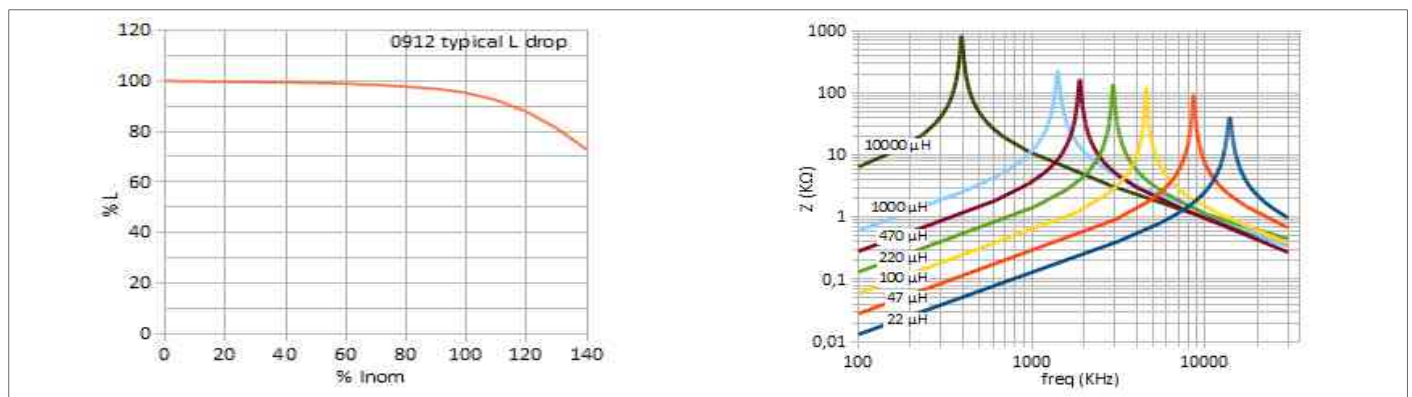
SLD0912 series - 10µH...10mH 5A...170mA

- Suited for both EMC and energy storage using (filters, SMPS, etc.)
- Others 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 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	31 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	72 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	130 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	305 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	0,20 MHz

Dimensions	mm	Drawing
a max (∅)	10,8	
h max	15,1	
x typ	5,0	
l min	3,0	
d typ (∅)	0,6	



¹ Tolerances ±10% - Measured @10KHz-100mV.

² Max continuous DC current for 30°C temperature rise.

³ Max peak current for inductance decreasing within rated value -20%.

⁴ Referred to 20°C.

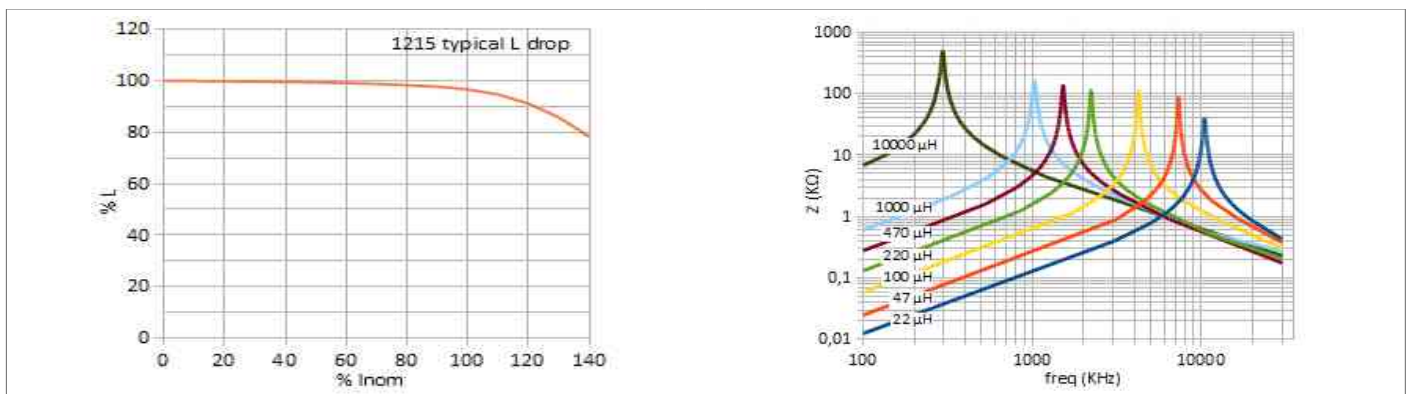
^P Preferential items usually in stock.

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- Others 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	21 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	2,57 A	122 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	400 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	775 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

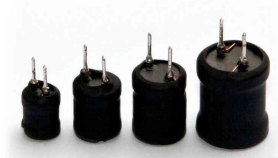
Dimensions	mm	Drawing
a max (∅)	13,3	
a1 max (∅)	15,0	
h max	19,0	
x typ	7,5	
l min	3,0	
d typ (∅)	0,8	



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³ Max peak current for inductance decreasing within rated value -20%.
⁴ Referred to 20°C.
^p Preferential items usually in stock.

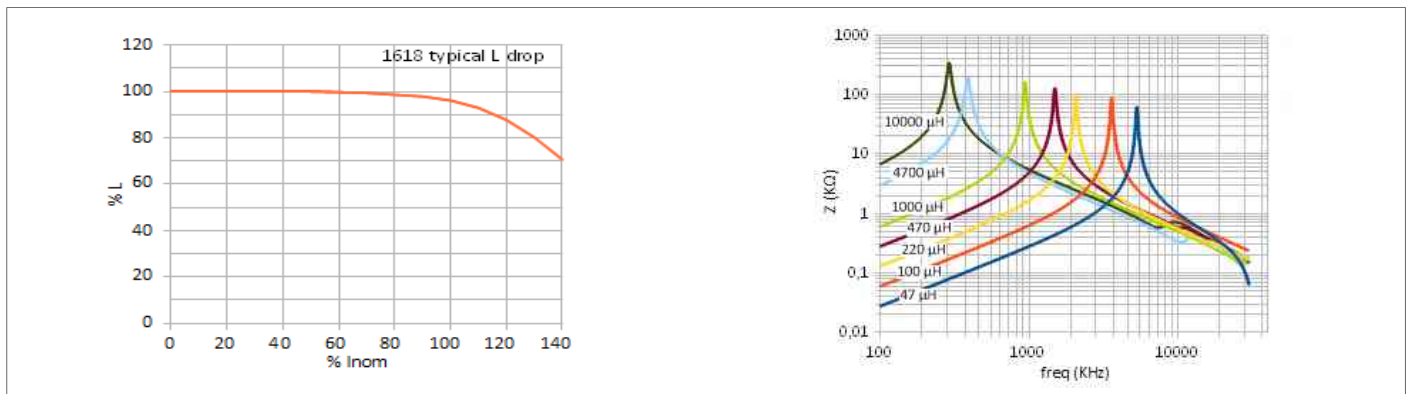
SLD1618 series - 47µH...10mH 5.1A...390mA

- Suited for both EMC and energy storage using (filters, SMPS, etc.)
- Others values on request



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	26 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	49 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	106 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	220 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	448 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
a max (∅)	17,5	
a1 max (∅)	20,0	
h max	22,5	
x typ	10,0	
l min	3,0	
d typ (∅)	0,8	



¹ Tolerances ±10% - Measured @10KHz-100mV.

² Max continuous DC current for 30°C temperature rise.

³ Max peak current for inductance decreasing within rated value -20%.

⁴ Referred to 20°C.

^P Preferential items usually in stock.