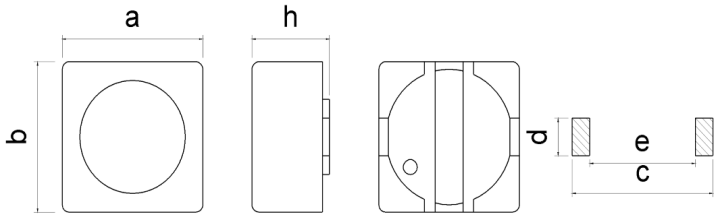
SLDS0703 series - 10µH...1.0mH 1.7A...160mA

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

Code	Nominal Inductance[1]	Nominal Current[2]	Max DCR[3]
SLDS0703100F	10 µH	1.68 A	72 mΩ
SLDS0703120F	12 µH	1.52 A	98 mΩ
SLDS0703150F	15 µH	1.33 A	130 mΩ
SLDS0703180F	18 µH	1.20 A	140 mΩ
SLDS0703220F	22 µH	1.07 A	190 mΩ
SLDS0703270F	27 µH	0.96 A	210 mΩ
SLDS0703330F	33 µH	0.91 A	240 mΩ
SLDS0703390F	39 µH	0.77 A	320 mΩ
SLDS0703470F	47 µH	0.76 A	360 mΩ
SLDS0703560F	56 µH	0.68 A	470 mΩ
SLDS0703680F	68 µH	0.61 A	520 mΩ
SLDS0703820F	82 µH	0.57 A	690 mΩ
SLDS0703101F	100 µH	0.50 A	790 mΩ
SLDS0703121F	120 µH	0.49 A	890 mΩ
SLDS0703151F	150 µH	0.43 A	1.27 Ω
SLDS0703181F	180 µH	0.39 A	1.45 Ω
SLDS0703221F	220 µH	0.35 A	1.65 Ω
SLDS0703271F	270 µH	0.32 A	2.31 Ω
SLDS0703331F	330 µH	0.28 A	2.62 Ω
SLDS0703391F	390 µH	0.26 A	2.94 Ω
SLDS0703471F	470 µH	0.24 A	4.18 Ω
SLDS0703561F	560 µH	0.22 A	4.67 Ω
SLDS0703680F	680 µH	0.19 A	5.73 Ω
SLDS0703821F	820 µH	0.18 A	6.54 Ω
SLDS0703102F	1000 µH	0.16 A	9.44 Ω

Dimensions	mm	Drawing
a max	7.5	
b max	7.5	
h max	3.5	
c typ	7.2	
d typ	1.8	
e typ	5.4	

[1] *Tolerances ±20% - Measured @100KHz-100mV up to 119.9µH – 1kHz-100mV 120µH or more*
[2] *Max continuous DC current for 40°C temperature rise and 25% max inductance drop*
[3] *Referred to 20°C.*

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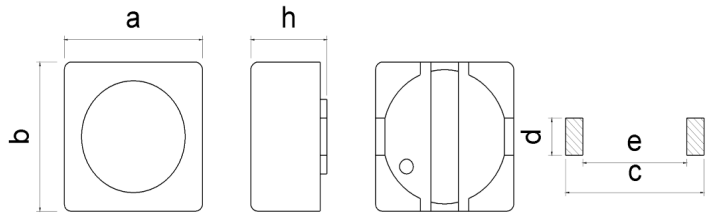
SLDS0704 series - 10µH...1.0mH 1.8A...180mA

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

Code	Nominal Inductance[1]	Nominal Current[2]	Max DCR[3]
SLDS0704100F	10 µH	1.84 A	49 mΩ
SLDS0704120F	12 µH	1.71 A	58 mΩ
SLDS0704150F	15 µH	1.47 A	81 mΩ
SLDS0704180F	18 µH	1.31 A	91 mΩ
SLDS0704220F	22 µH	1.23 A	110 mΩ
SLDS0704270F	27 µH	1.12 A	150 mΩ
SLDS0704330F	33 µH	0.96 A	170 mΩ
SLDS0704390F	39 µH	0.91 A	230 mΩ
SLDS0704470F	47 µH	0.88 A	260 mΩ
SLDS0704560F	56 µH	0.75 A	350 mΩ
SLDS0704680F	68 µH	0.69 A	380 mΩ
SLDS0704820F	82 µH	0.61 A	430 mΩ
SLDS0704101F	100 µH	0.60 A	610 mΩ
SLDS0704121F	120 µH	0.52 A	660 mΩ
SLDS0704151F	150 µH	0.46 A	880 mΩ
SLDS0704181F	180 µH	0.42 A	980 mΩ
SLDS0704221F	220 µH	0.36 A	1.17 Ω
SLDS0704271F	270 µH	0.34 A	1.64 Ω
SLDS0704331F	330 µH	0.32 A	1.86 Ω
SLDS0704391F	390 µH	0.29 A	2.85 Ω
SLDS0704471F	470 µH	0.26 A	3.01 Ω
SLDS0704561F	560 µH	0.23 A	3.62 Ω
SLDS0704680F	680 µH	0.22 A	4.63 Ω
SLDS0704821F	820 µH	0.20 A	5.20 Ω
SLDS0704102F	1000 µH	0.18 A	6.00 Ω

Dimensions	mm
a max	7.5
b max	7.5
h max	4.5
c typ	7.2
d typ	1.8
e typ	4.5

Drawing



[1] *Tolerances ±20% - Measured @100KHz-100mV*
[2] *Max continuous DC current for 40°C temperature rise and 25% max inductance drop*
[3] *Referred to 20°C.*

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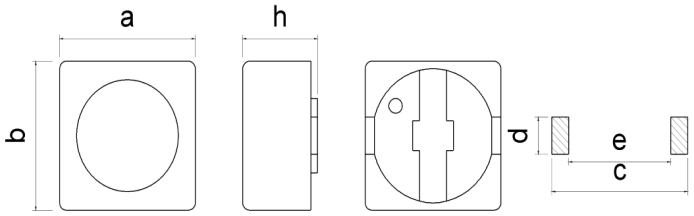
SLDS1204 series - 3.9µH...330µH 6.5A...500mA

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

Code	Nominal Inductance[1]	Nominal Current[2]	Max DCR[3]
SLDS12043R9F	3.9 µH	6.50 A	15 mΩ
SLDS12044R7F	4.7 µH	5.70 A	18 mΩ
SLDS12046R8F	6.8 µH	4.90 A	23 mΩ
SLDS12048R2F	8.2 µH	4.60 A	26 mΩ
SLDS1204100F	10 µH	4.50 A	28 mΩ
SLDS1204120F	12 µH	4.00 A	38 mΩ
SLDS1204150F	15 µH	3.20 A	50 mΩ
SLDS1204180F	18 µH	3.10 A	57 mΩ
SLDS1204220F	22 µH	2.90 A	66 mΩ
SLDS1204270F	27 µH	2.80 A	80 mΩ
SLDS1204330F	33 µH	2.70 A	97 mΩ
SLDS1204390F	39 µH	2.10 A	132 mΩ
SLDS1204470F	47 µH	1,90 A	140 mΩ
SLDS1204560F	56 µH	1.80 A	190 mΩ
SLDS1204680F	68 µH	1.50 A	220 mΩ
SLDS120482F	82 µH	1.30 A	260 mΩ
SLDS1204101F	100 µH	1.20 A	308 mΩ
SLDS1204121F	120 µH	1.10 A	380 mΩ
SLDS1204151F	150 µH	0.95 A	530 mΩ
SLDS1204181F	180 µH	0.85 A	620 mΩ
SLDS1204221F	220 µH	0.80 A	700 mΩ
SLDS1204271F	270 µH	0.60 A	870 mΩ
SLDS1204331F	330 µH	0.50 A	990 mΩ

Dimensions	mm	Drawing
a max	12.3	
b max	12.3	
h max	4.5	
c typ	11.8	
d typ	5.0	
e typ	7.8	

[1] *Tolerances ±20% - Measured @100KHz-100mV*
[2] *Max continuous DC current for 40°C temperature rise and 25% max inductance drop*
[3] *Referred to 20°C.*

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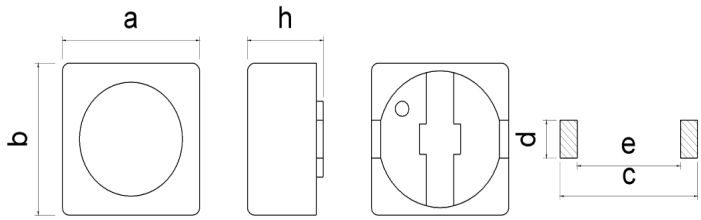
SLDS1205 series - 1.3µH...1.0mH 8.0A...400mA

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

Code	Nominal Inductance[1]	Nominal Current[2]	Max DCR[3]
SLDS12051R3F	1.3 µH	8.00 A	12 mΩ
SLDS12052R1F	2.1 µH	7.00 A	14 mΩ
SLDS12053R1F	3.1 µH	6.00 A	17 mΩ
SLDS12054R4F	4.4 µH	5.00 A	20 mΩ
SLDS12055R8F	5.8 µH	4.40 A	21 mΩ
SLDS12057R5F	7.5 µH	4.20 A	24 mΩ
SLDS1205100F	10 µH	4.00 A	25 mΩ
SLDS1205120F	12 µH	3.50 A	27 mΩ
SLDS1205150F	15 µH	3.30 A	30 mΩ
SLDS1205180F	18 µH	3.00 A	34 mΩ
SLDS1205220F	22 µH	2.80 A	36 mΩ
SLDS1205270F	27 µH	2.30 A	51 mΩ
SLDS1205330F	33 µH	2.10 A	57 mΩ
SLDS1205390F	39 µH	2.00 A	68 mΩ
SLDS1205470F	47 µH	1.80 A	75 mΩ
SLDS1205560F	56 µH	1.70 A	110 mΩ
SLDS1205680F	68 µH	1.50 A	120 mΩ
SLDS1205820F	82 µH	1.40 A	140 mΩ
SLDS1205101F	100 µH	1.30 A	160 mΩ
SLDS1205121F	120 µH	1.10 A	170 mΩ
SLDS1205151F	150 µH	1.00 A	230 mΩ
SLDS1205181F	180 µH	0.90 A	290 mΩ
SLDS1205221F	220 µH	0.80 A	400 mΩ
SLDS1205271F	270 µH	0.75 A	460 mΩ
SLDS1205331F	330 µH	0.68 A	510 mΩ
SLDS1205391F	390 µH	0.65 A	690 mΩ
SLDS1205471F	470 µH	0.58 A	770 mΩ
SLDS1205561F	560 µH	0.54 A	860 mΩ
SLDS1205681F	680 µH	0.48 A	1.20 Ω
SLDS1205821F	820 µH	0.43 A	1.34 Ω
SLDS1205102F	1000 µH	0.40 A	1.53 Ω

Dimensions	mm
a max	12.3
b max	12.3
h max	6.0
c typ	11.8
d typ	5.0
e typ	7.6

Drawing



[1] *Tolerances ±30% - Measured @100KHz-100mV up to 9.9µH | tolerances ±20% - Measured @1KHz-100mV 10µH or more*
[2] *Max continuous DC current for 40°C temperature rise and 25% max inductance drop*
[3] *Referred to 20°C.*

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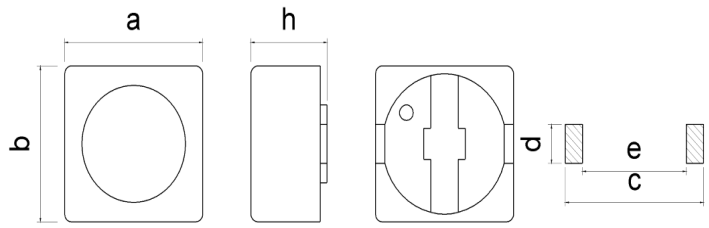
SLDS1207 series - 1.2µH...1.0mH 9.8A...550mA

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

Code	Nominal Inductance[1]	Nominal Current[2]	Max DCR[3]
SLDS12071R2F	1.2 µH	9.80 A	7 mΩ
SLDS12072R4F	2.4 µH	8.00 A	12 mΩ
SLDS12073R5F	3.5 µH	7.50 A	14 mΩ
SLDS12074R7F	4.7 µH	6.80 A	16 mΩ
SLDS12076R1F	6.1 µH	6.60 A	18 mΩ
SLDS12077R6F	7.6 µH	5.90 A	20 mΩ
SLDS1207100F	10 µH	5.40 A	22 mΩ
SLDS1207120F	12 µH	4.90 A	24 mΩ
SLDS1207150F	15 µH	4.50 A	30 mΩ
SLDS1207180F	18 µH	3.90 A	39 mΩ
SLDS1207220F	22 µH	3.60 A	43 mΩ
SLDS1207270F	27 µH	3.40 A	46 mΩ
SLDS1207330F	33 µH	3.00 A	65 mΩ
SLDS1207390F	39 µH	2.75 A	73 mΩ
SLDS1207470F	47 µH	2.50 A	100 mΩ
SLDS1207560F	56 µH	2.35 A	110 mΩ
SLDS1207680F	68 µH	2.10 A	140 mΩ
SLDS1207820F	82 µH	1.95 A	160 mΩ
SLDS1207101F	100 µH	1.70 A	220 mΩ
SLDS1207121F	120 µH	1.60 A	250 mΩ
SLDS1207151F	150 µH	1.42 A	280 mΩ
SLDS1207181F	180 µH	1.30 A	350 mΩ
SLDS1207221F	220 µH	1.16 A	390 mΩ
SLDS1207271F	270 µH	1.06 A	560 mΩ
SLDS1207331F	330 µH	0.95 A	640 mΩ
SLDS1207391F	390 µH	0.88 A	700 mΩ
SLDS1207471F	470 µH	0.79 A	980 mΩ
SLDS1207561F	560 µH	0.73 A	1.07 Ω
SLDS1207681F	680 µH	0.67 A	1.46 Ω
SLDS1207821F	820 µH	0.60 A	1.64 Ω
SLDS1207102F	1000 µH	0.55 A	1.82 Ω

Dimensions	mm	Drawing
a max	12.3	
b max	12.3	
h max	8.0	
c typ	12.0	
d typ	5.0	
e typ	7.6	

[1] *Tolerances ±30% - Measured @100KHz-100mV up to 9.9µH | tolerances ±20% - Measured @1KHz-100mV 10µH or more*
[2] *Max continuous DC current for 40°C temperature rise and 25% max inductance drop*
[3] *Referred to 20°C.*

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