

SDS65 SERIES

SMD Shielded Power Inductors



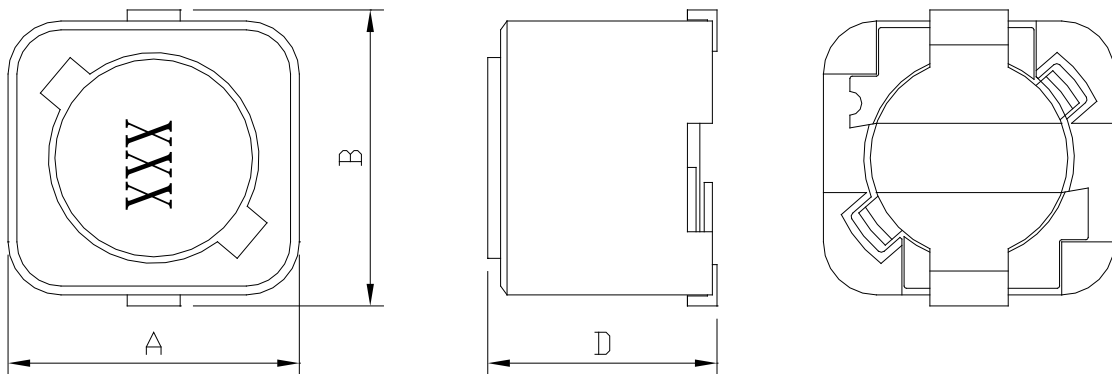
RoHS Compliant

PART NUMBERING SYSTEM

<u>SDS</u>	<u>6 5</u>	—	<u>6 8 0 M</u>	—	<u>LF</u>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

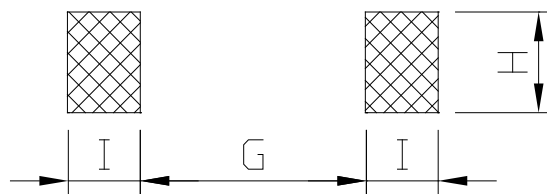
UNIT : mm



A = 6.50 Max. B = 6.90 Max. C = 5.00 Max.

RECOMMENDED PATTERNS

UNIT : mm



G = 4.6 B = 1.9 D = 1.4

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	IDC (A) (Max.)	TEST FREQ. (f)
SDS65-100M-LF	10 $\pm$ 20%	0.12	1.35	1KHz/0.1V
SDS65-120M-LF	12 $\pm$ 20%	0.13	1.22	1KHz/0.1V
SDS65-150M-LF	15 $\pm$ 20%	0.18	1.11	1KHz/0.1V
SDS65-180M-LF	18 $\pm$ 20%	0.24	1.02	1KHz/0.1V
SDS65-220M-LF	22 $\pm$ 20%	0.27	0.91	1KHz/0.1V
SDS65-270M-LF	27 $\pm$ 20%	0.30	0.82	1KHz/0.1V
SDS65-330M-LF	33 $\pm$ 20%	0.33	0.74	1KHz/0.1V
SDS65-390M-LF	39 $\pm$ 20%	0.37	0.69	1KHz/0.1V
SDS65-470M-LF	47 $\pm$ 20%	0.52	0.62	1KHz/0.1V
SDS65-560M-LF	56 $\pm$ 20%	0.56	0.58	1KHz/0.1V
SDS65-680M-LF	68 $\pm$ 20%	0.63	0.51	1KHz/0.1V
SDS65-820M-LF	82 $\pm$ 20%	0.71	0.46	1KHz/0.1V
SDS65-101M-LF	100 $\pm$ 20%	1.03	0.42	1KHz/0.1V
SDS65-121M-LF	120 $\pm$ 20%	1.15	0.38	1KHz/0.1V
SDS65-151M-LF	150 $\pm$ 20%	1.68	0.35	1KHz/0.1V
SDS65-181M-LF	180 $\pm$ 20%	1.87	0.32	1KHz/0.1V
SDS65-221M-LF	220 $\pm$ 20%	2.08	0.29	1KHz/0.1V
SDS65-271M-LF	270 $\pm$ 20%	2.37	0.26	1KHz/0.1V
SDS65-331M-LF	330 $\pm$ 20%	2.67	0.23	1KHz/0.1V
SDS65-391M-LF	390 $\pm$ 20%	2.94	0.22	1KHz/0.1V
SDS65-471M-LF	470 $\pm$ 20%	3.93	0.20	1KHz/0.1V
SDS65-561M-LF	560 $\pm$ 20%	5.43	0.18	1KHz/0.1V
SDS65-681M-LF	680 $\pm$ 20%	7.32	0.17	1KHz/0.1V
SDS65-821M-LF	820 $\pm$ 20%	8.24	0.15	1KHz/0.1V
SDS65-102M-LF	1000 $\pm$ 20%	9.26	0.14	1KHz/0.1V

- DC current at which the inductance drops 25% (typ) from its value without current.
- Operating temperature range -40°C to +125°C ,
- Electrical specifications at 20°C .

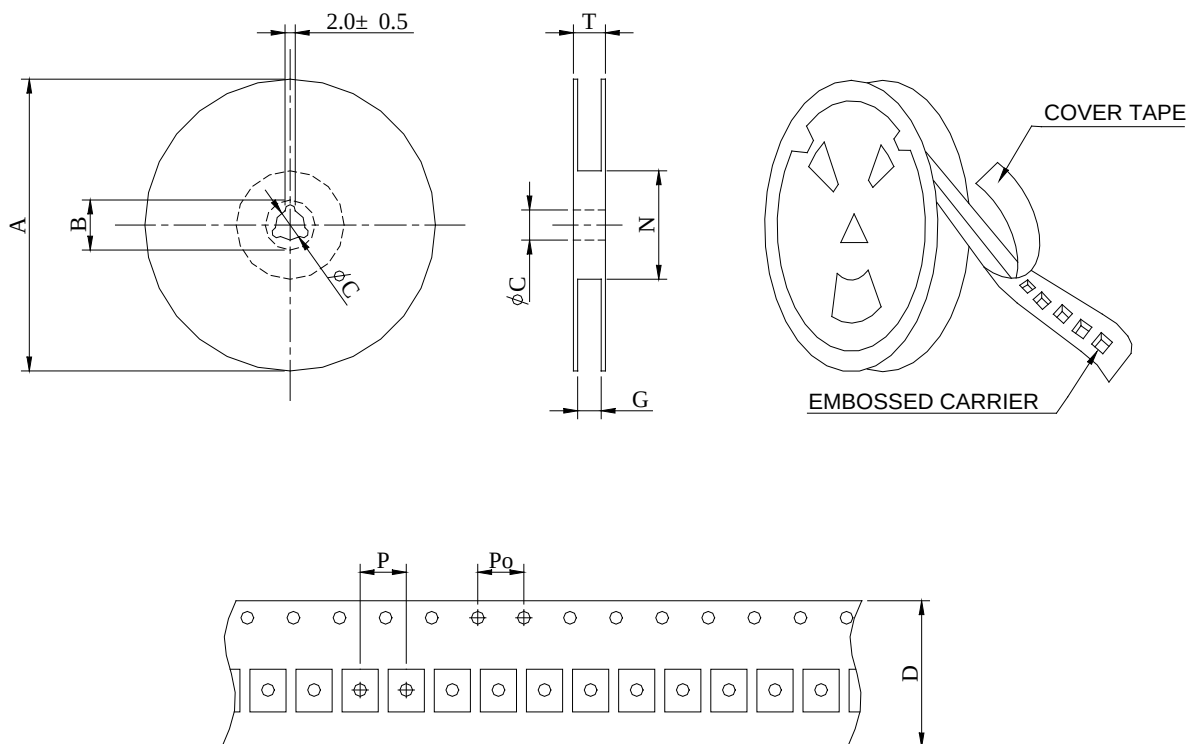
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PACKAGING SPECIFICATION



SERIES	STAYLE	Q' TY (PCS)	DIMENSIONS (m/m)								
			A	B±0.8	C±0.5	D	G ⁺⁰	N ⁰	P	Po	T
SDS65	13-16	1000	330	21	13	16	18	50	8	4	22.4