



SMD Shielded Power Inductors - SDS0604B SERIES

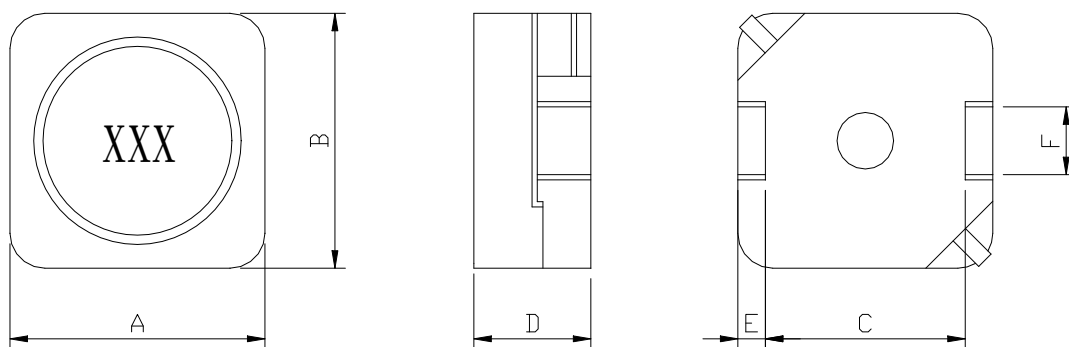


PART NUMBERING SYSTEM

SDS	0604B	—	680M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

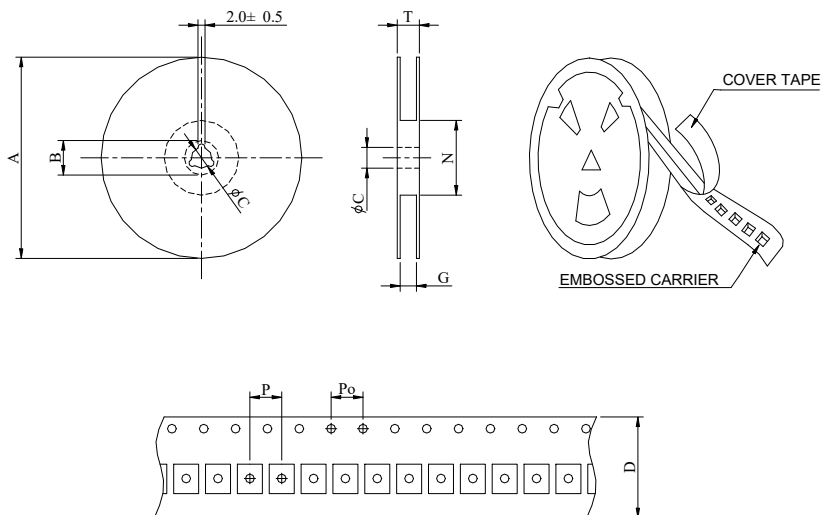
SHAPES AND DIMENSIONS

UNIT : mm



A=6.8 Max. B=6.8 Max. C=1.6±0.2 , D=4.8 Max. E=0.8±0.3 , F=1.6±0.2

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
SDS0604B	13-16	1000	330	21	13	16	18	50	8	4	22.4



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR ($m\Omega$) (max)	Isat (A) (max)	Irms (A) (max)	SRF (MHz) (Min.)
SDS0604B-1R5M-LF	1.5 \pm 20%	28.0	3.95	2.80	110
SDS0604B-2R5M-LF	2.5 \pm 20%	35.0	3.50	2.50	100
SDS0604B-3R3M-LF	3.3 \pm 20%	50.0	2.90	2.30	90
SDS0604B-4R7M-LF	4.7 \pm 20%	60.0	2.55	2.00	50
SDS0604B-6R8M-LF	6.8 \pm 20%	70.0	2.05	1.60	37
SDS0604B-100M-LF	10 \pm 20%	120	1.80	1.30	30
SDS0604B-150M-LF	15 \pm 20%	130	1.45	1.10	30
SDS0604B-220M-LF	22 \pm 20%	190	1.20	0.90	25
SDS0604B-330M-LF	33 \pm 20%	250	0.95	0.70	21
SDS0604B-470M-LF	47 \pm 20%	350	0.80	0.60	18
SDS0604B-680M-LF	68 \pm 20%	520	0.68	0.50	15
SDS0604B-101M-LF	100 \pm 20%	650	0.57	0.40	13
SDS0604B-151M-LF	150 \pm 20%	1000	0.47	0.30	12
SDS0604B-221M-LF	220 \pm 20%	1700	0.32	0.25	10
SDS0604B-331M-LF	330 \pm 20%	2100	0.28	0.20	7.0
SDS0604B-471M-LF	470 \pm 20%	3300	0.22	0.18	6.5
SDS0604B-681M-LF	680 \pm 20%	4800	0.19	0.15	6.0
SDS0604B-102M-LF	1000 \pm 20%	6100	0.15	0.12	5.5

* Inductance measured at 1 kHz, 0.1 Vrms using an Agilent/HP 4284A or equivalent .

* Isat : DC current at which the inductance drops 10% max from its value without current.

* Irms : Temperature rise 40°C Max. at Irms .

* Operating temperature range -40°C to +125°C .

* Electrical specifications at 25°C.