

SDB1108 SERIES ~ SMD POWER INDUCTORS

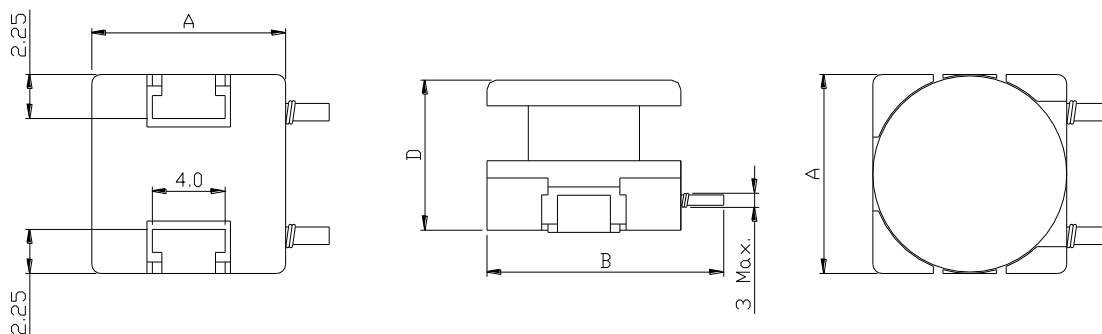


PART NUMBERING SYSTEM

SDB	1108	—	100M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

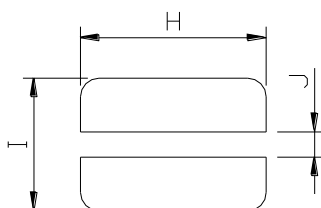
UNIT : mm



A=11.60 Max. B=14.00 Max. D=8.50 Max.

RECOMMENDED PATTERNS

UNIT : mm



H=5.08 ref. I=12.95 ref. J=5.08 ref.

FEATURES

- ⊙ Available for lead free and RoHS compliant
- ⊙ Suitable for large current .
- ⊙ Ideal for a variety of DC-DC converter inductor applications .



SDB1108 SERIES ~ SMD POWER INDUCTORS



SPECIFICATION TABLE

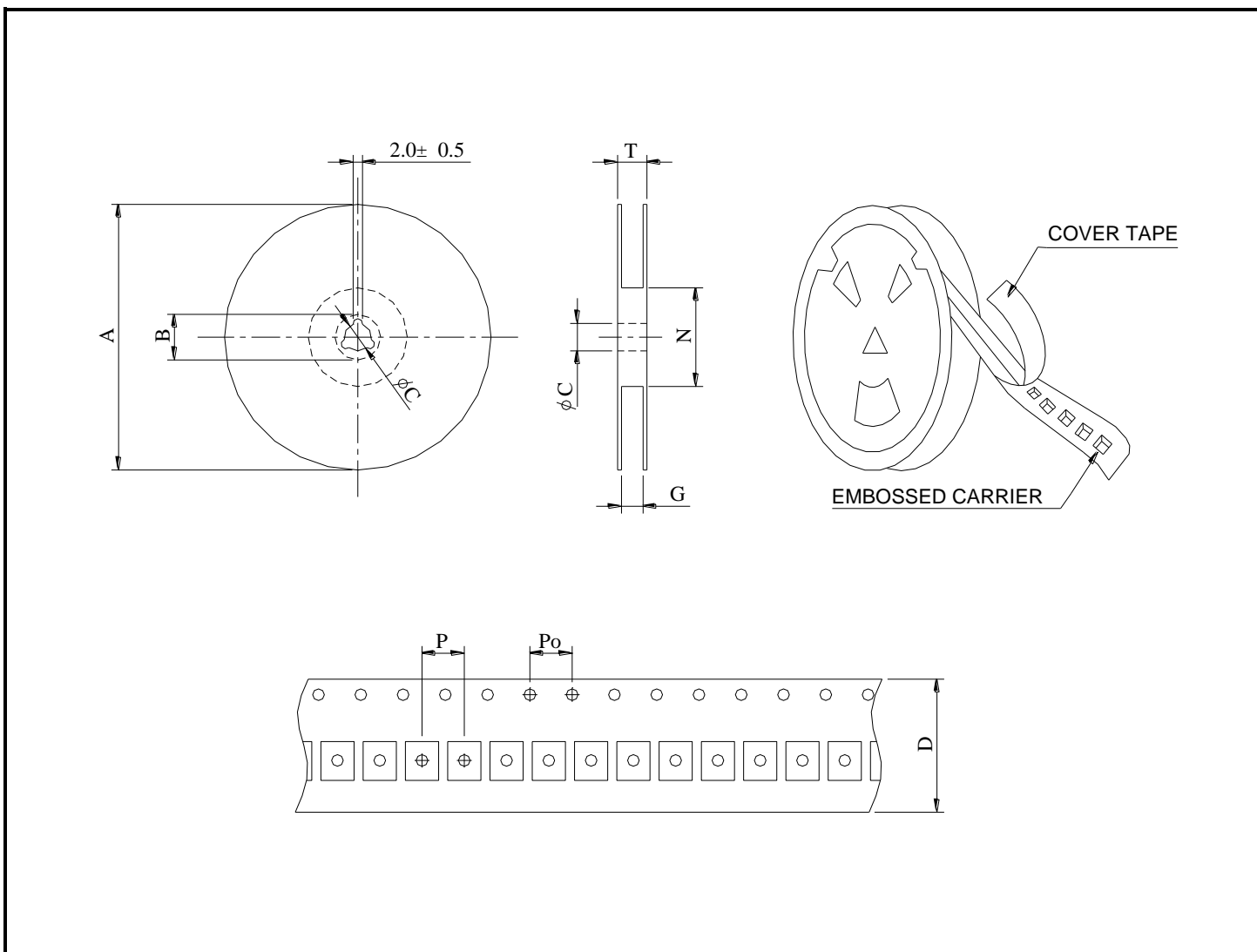
PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	IDC (A) (Max.)	TEST FREQ. (f)
SDB1108-100M-LF	10 \pm 20%	0.06	3.50	1 KHz
SDB1108-120M-LF	12 \pm 20%	0.07	3.40	1 KHz
SDB1108-150M-LF	15 \pm 20%	0.08	3.10	1 KHz
SDB1108-180M-LF	18 \pm 20%	0.09	3.00	1 KHz
SDB1108-220M-LF	22 \pm 20%	0.10	2.60	1 KHz
SDB1108-270M-LF	27 \pm 20%	0.11	2.40	1 KHz
SDB1108-330M-LF	33 \pm 20%	0.12	2.30	1 KHz
SDB1108-390M-LF	39 \pm 20%	0.14	2.10	1 KHz
SDB1108-470M-LF	47 \pm 20%	0.17	1.95	1 KHz
SDB1108-560M-LF	56 \pm 20%	0.19	1.85	1 KHz
SDB1108-680M-LF	68 \pm 20%	0.22	1.65	1 KHz
SDB1108-820M-LF	82 \pm 20%	0.25	1.50	1 KHz
SDB1108-101M-LF	100 \pm 20%	0.35	1.40	1 KHz
SDB1108-121M-LF	120 \pm 20%	0.40	1.30	1 KHz
SDB1108-151M-LF	150 \pm 20%	0.47	1.20	1 KHz
SDB1108-391M-LF	180 \pm 20%	0.63	1.00	1 KHz
SDB1108-221M-LF	220 \pm 20%	0.73	0.95	1 KHz
SDB1108-271M-LF	270 \pm 20%	0.97	0.90	1 KHz
SDB1108-331M-LF	330 \pm 20%	1.15	0.80	1 KHz
SDB1108-391M-LF	390 \pm 20%	1.30	0.75	1 KHz
SDB1108-471M-LF	470 \pm 20%	1.48	0.65	1 KHz
SDB1108-561M-LF	560 \pm 20%	1.90	0.60	1 KHz
SDB1108-681M-LF	680 \pm 20%	2.45	0.50	1 KHz
SDB1108-821M-LF	820 \pm 20%	2.55	0.48	1 KHz
SDB1108-102M-LF	1000 \pm 20%	3.00	0.46	1 KHz
SDB1108-122M-LF	1200 \pm 20%	3.50	0.35	1 KHz

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40°C to +125°C
- Electrical specifications at 25°C.

SDB1108 SERIES ~ SMD POWER INDUCTORS



PACKAGING SPECIFICATION



SERIES	Q'TY (PCS)	DIMENSIONS (m/m)							
		A	B	C ± 0.5	D ± 0.5	G ± 0.3	N ± 2	P	P ₀
SDB1108	250	330	100	13.5	24	24.5	75	20	4