

SDS129BQ SERIES ~ SMD Shielded Coupled Inductors

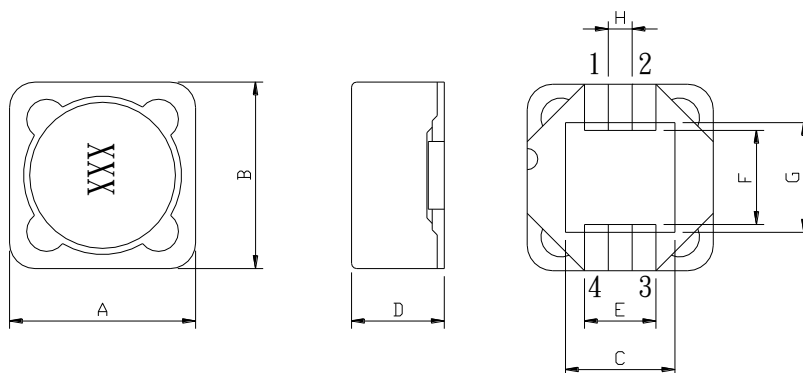


PART NUMBERING SYSTEM

SDS	129BQ	—	100M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

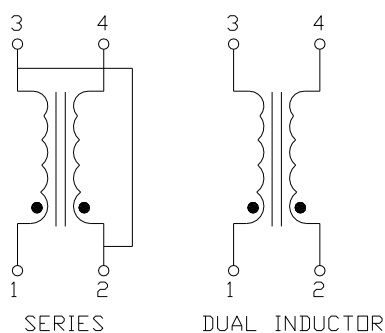
SHAPES AND DIMENSIONS

UNIT : mm

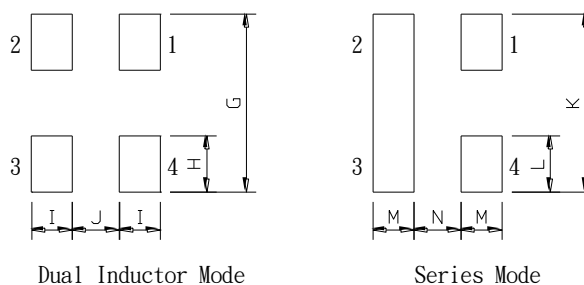


A=12.5 Max. B=12.5 Max. C=7.0 Ref. D=10.5 Max. E=5.0 Ref. F=5.7±0.05 G=7.2 Ref. H=1.8 Ref.

SCHEMATIC DRAWING



PCB PATTERN



G=13.8 H=3.85 I=2.5 J=0.5 K=13.8 L=3.85 M=2.5 N=0.5



SDS129BQ SERIES ~ SMD Shielded Coupled Inductors



SPECIFICATION TABLE

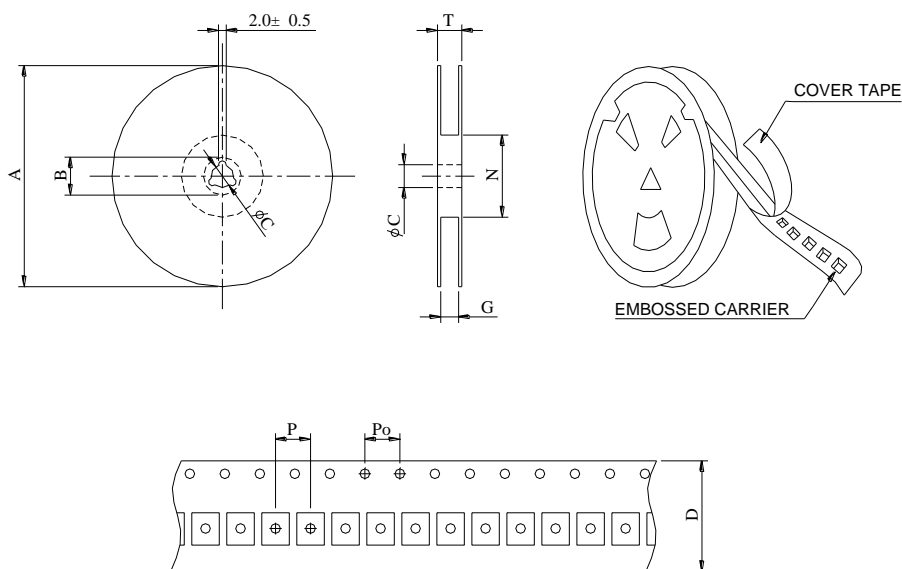
PART NUMBER	INDUCTANCE (μ H)	OCL \pm 20% (μ H)	I rms (A)	I sat (A)	DCR (Ω) (Max.)
SDS129BQ-2R2M-LF	2.20	2.20	4.10	19.0	0.017
SDS129BQ-3R3M-LF	3.30	3.30	3.70	15.5	0.020
SDS129BQ-4R7M-LF	4.70	4.70	3.60	13.0	0.023
SDS129BQ-6R8M-LF	6.80	6.80	3.30	11.5	0.031
SDS129BQ-100M-LF	10.0	10.0	3.20	8.00	0.040
SDS129BQ-220M-LF	22.0	22.0	3.50	5.00	0.08
SDS129BQ-330M-LF	33.0	33.0	2.00	4.40	0.10
SDS129BQ-470M-LF	47.0	47.0	1.90	3.60	0.13

- Inductors tolerance M= \pm 20%.
- I sat : DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C .
- Electrical specifications at 25 $^{\circ}$ C .

SDS129BQ SERIES ~ SMD Shielded Coupled Inductors



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
SDS129BQ	13-24	225	330	21	13	24	26	50	20	4	30.4