

SDS129BQ SERIES ~ SMD Shielded Coupled Inductors



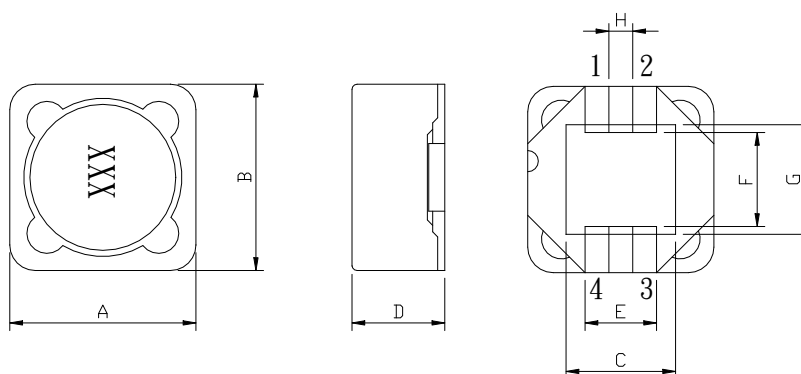
PART NUMBERING SYSTEM

(AEC-Q200)

SDS	129BQ	—	220M	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

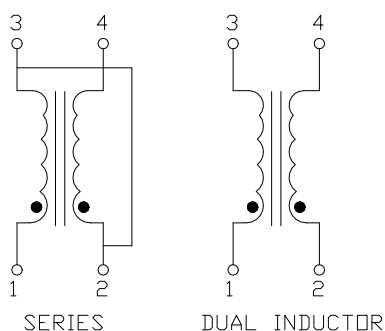
SHAPES AND DIMENSIONS

UNIT : mm

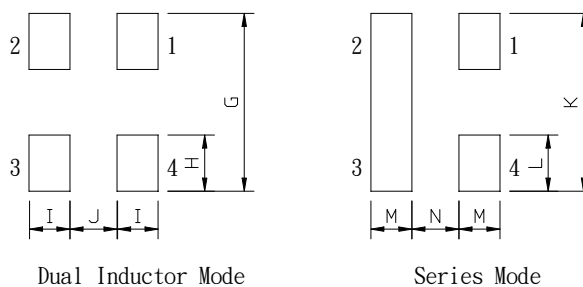


A=12.5 Max. B=12.5 Max. C=7.0 Ref. D=10.5 Max. E=5.0 Ref. F=5.7±0.05 G=7.2 Ref. H=1.8 Ref.

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

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SPECIFICATION TABLE

(AEC-Q200)

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	7.10	10.5	0.021
SDS129BQ-150M-LF	15.0	10.0	6.50	8.00	0.026
SDS129BQ-220M-LF	22.0	22.0	5.30	6.50	0.028
SDS129BQ-330M-LF	33.0	33.0	4.20	5.50	0.045
SDS129BQ-470M-LF	47.0	47.0	3.80	4.50	0.060
SDS129BQ-680M-LF	47.0	68.0	3.20	3.60	0.089
SDS129BQ-101M-LF	47.0	100.0	2.50	3.10	0.110
SDS129BQ-151M-LF	47.0	150.0	2.10	2.70	0.200
SDS129BQ-221M-LF	220	220.0	1.80	2.20	0.400
SDS129BQ-331M-LF	330	330.0	1.50	1.70	0.580
SDS129BQ-471M-LF	470	470.0	1.40	1.50	0.750
SDS129BQ-102M-LF	1000	1000.0	0.09	1.00	3.000

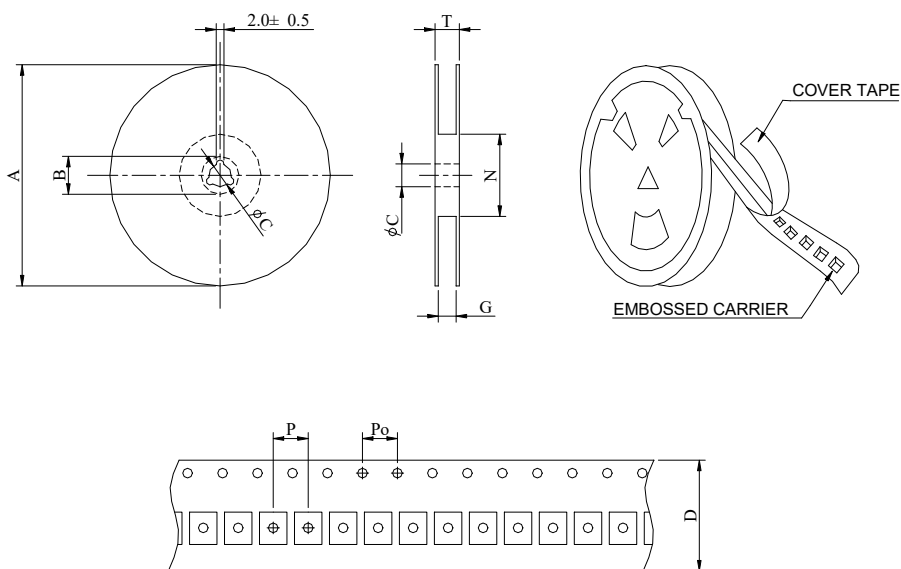
- Inductors tolerance M= \pm 20%.
- I sat : DC current at which the inductance drops 10% (typ.) from its value without current.
- Operating temperature range -40 $^{\circ}$ C to +125 $^{\circ}$ C .
- Electrical specifications at 25 $^{\circ}$ C .

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PACKAGING SPECIFICATION

(AEC-Q200)



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