



## Shielded High Current Inductors - SDS129 SERIES



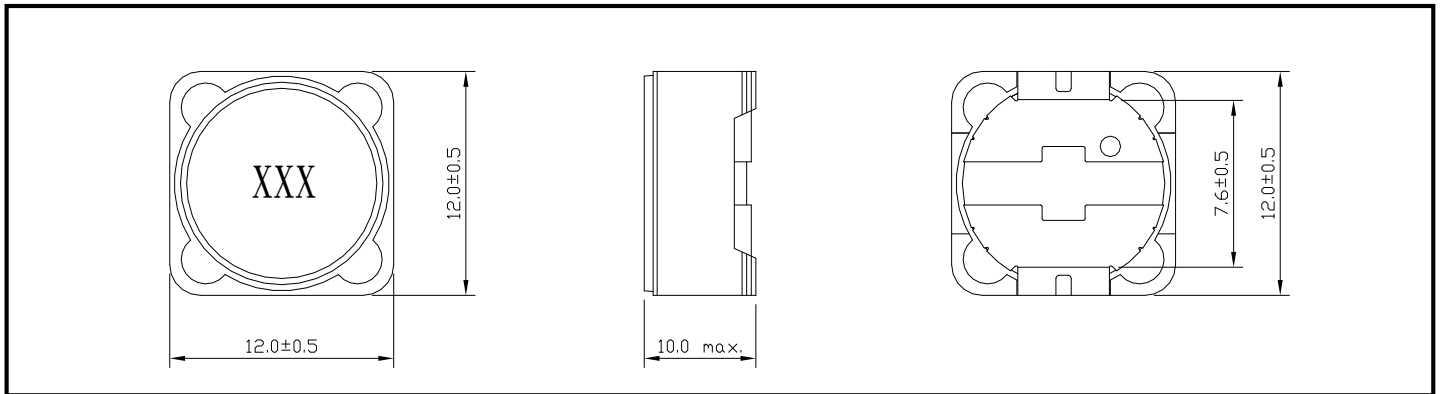
### PART NUMBERING SYSTEM

(AEC-Q200)

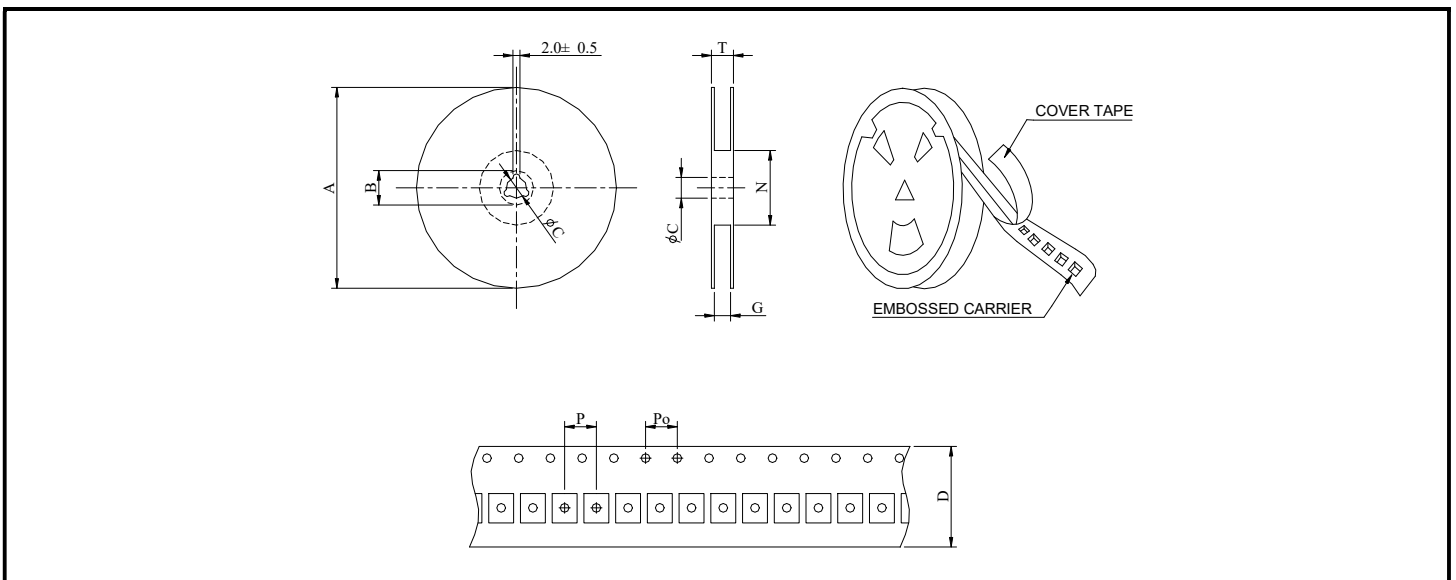
<b>SDS</b>	<b>129</b>	—	<b>680M</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

### SHAPES AND DIMENSIONS

UNIT : mm



### PACKAGING SPECIFICATION



SERIES	STAYLE	Q'TY (PCS)	DIMENSIONS (m/m)								
			A	B±0.8	C±0.5	D	G <sup>+0</sup>	N <sup>0</sup>	P	Po	T
SDS129	13-24	225	330	21	13	24	26	50	20	4	30.4



## Shielded High Current Inductors - SDS129 SERIES



### SPECIFICATION TABLE

(AEC-Q200)

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ ) (Max.)	Isat(A) (Max.)	Irms(A) (Max.)	TEST FREQ. ( freq. )
SDS129-1R0N-LF	1.0 $\pm$ 30%	5.6m	25.0	13.0	1KHz/0.25V
SDS129-2R2N-LF	2.2 $\pm$ 30%	6.0m	20.0	11.5	1KHz/0.25V
SDS129-3R5N-LF	3.5 $\pm$ 30%	8.5m	16.5	11.0	1KHz/0.25V
SDS129-4R7N-LF	4.7 $\pm$ 30%	0.011	13.0	9.30	1KHz/0.25V
SDS129-6R8N-LF	6.8 $\pm$ 30%	0.014	12.8	8.40	1KHz/0.25V
SDS129-100M-LF	10 $\pm$ 20%	0.021	10.5	7.10	1KHz/0.25V
SDS129-150M-LF	15 $\pm$ 20%	0.026	8.00	6.50	1KHz/0.25V
SDS129-220M-LF	22 $\pm$ 20%	0.028	6.50	5.30	1KHz/0.25V
SDS129-330M-LF	33 $\pm$ 20%	0.045	5.50	4.20	1KHz/0.25V
SDS129-470M-LF	47 $\pm$ 20%	0.060	4.50	3.80	1KHz/0.25V
SDS129-680M-LF	68 $\pm$ 20%	0.089	3.60	3.20	1KHz/0.25V
SDS129-101M-LF	100 $\pm$ 20%	0.110	3.10	2.50	1KHz/0.25V
SDS129-151M-LF	150 $\pm$ 20%	0.200	2.70	2.10	1KHz/0.25V
SDS129-221M-LF	220 $\pm$ 20%	0.300	2.20	1.80	1KHz/0.25V
SDS129-331M-LF	330 $\pm$ 20%	0.430	1.70	1.50	1KHz/0.25V
SDS129-471M-LF	470 $\pm$ 20%	0.560	1.50	1.40	1KHz/0.25V

- 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 .
- **PLATING / SOLDER : TIN-SILVER-COPPER (95.5%/4.0%/0.5%)**