

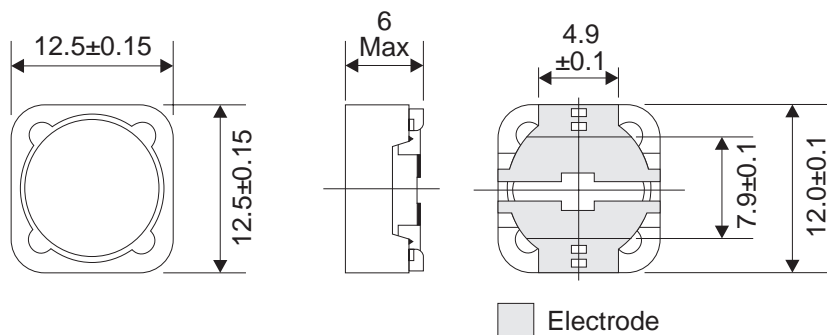


# SMT Power Inductors

## D330 Series

### GENERAL CHARACTERISTICS

- Ideal for a variety of DC-DC converter inductor applications.
- Available on tape and reel for automatic insertion.
- Low DC resistance and large permissible DC current.
- This can be surface mount assembly and reflow soldering is also possible.



### Electrical Specifications

UNIT (m/m)

PART NUMBER	INDUCTANCE L (μH) ±20%	L TEST FREQUENCY (KHz)	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (A) MAX
D330-100M	10	1	0.025	4.00
D330-120M	12	1	0.027	3.50
D330-150M	15	1	0.030	3.30
D330-180M	18	1	0.034	3.00
D330-220M	22	1	0.036	2.80
D330-270M	27	1	0.051	2.30
D330-330M	33	1	0.057	2.10
D330-390M	39	1	0.068	2.00
D330-470M	47	1	0.075	1.80
D330-560M	56	1	0.11	1.70
D330-680M	68	1	0.12	1.50
D330-820M	82	1	0.14	1.40
D330-101M	100	1	0.16	1.30
D330-121M	120	1	0.17	1.10
D330-151M	150	1	0.23	1.00
D330-181M	180	1	0.29	0.90
D330-221M	220	1	0.40	0.80
D330-271M	270	1	0.46	0.75
D330-331M	330	1	0.51	0.68
D330-391M	390	1	0.69	0.65
D330-471M	470	1	0.77	0.58
D330-561M	560	1	0.86	0.54
D330-681M	680	1	1.20	0.48
D330-821M	820	1	1.34	0.43
D330-102M	1000	1	1.53	0.40

\*Maximum allowable current is DC current which causes 10% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)