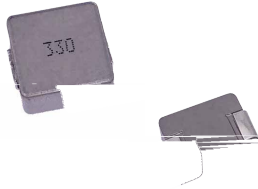


MDCA Series

SMD Power Inductor

Size 3015



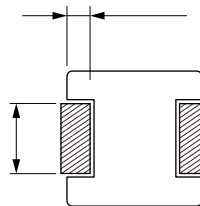
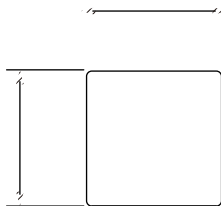
FEATUERS

- Carbonyl Powder.
- Compact design.
- High current, low DCR,
-
- High reliability.
- 100% Lead(Pb)-Free and RoHS compliant.
-
-

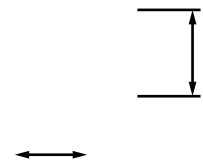
APPLICATION

- Note PC power system, incl. IMVP-6
-

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V	Tolerance	Temperature Rise Current Typ.	Current Typ.	DC Resistance Typ.	DC Resistance Max.
	0.22	±20%	7.0	10.8	14.0	17.0
	0.47	±20%		8.0	23.3	28.0
		±20%		7.2	28.0	33.0
	0.68	±20%			34.0	42.0
	1.00	±20%	3.6		41.0	
		±20%	3.4	4.0	64.0	77.0
	2.20	±20%	3.2	3.8	82.0	98.0
	3.30	±20%		3.2	170	
	4.70	±20%	1.9	2.8	220	264
		±20%	1.7	2.3		318
	6.80	±20%		2.0	290	348
	8.20	±20%	1.3	1.8	390	468
	10.0	±20%	1.2	1.6		

Saturation Current will cause L to drop approximately 30%

Temperature Rise Current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$

Typical Electrical Characteristics:

