

MDCA Series

SMD Power Inductor

Size 3015



FEATURES

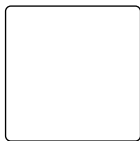
- Carbonyl Powder.
- Compact design.
- High current, low DCR, high efficiency.
- Very low acoustic noise and very low leakage flux noise.
- High reliability.
- 100% Lead(Pb)-Free and RoHS compliant.
- AEC-Q200 qualified
- Operating temperature: -55 to +125 °C (including self-temperature rise)

APPLICATION

- Note PC power system, incl. IMVP-6
- DC/DC converter

Dimensions: [mm]

Land Pattern: [mm]



Electrical Properties:

Part No	Inductance @ 100KHz/1V		Temperature Rise Current Typ.	Current Typ.		
MDCA3015-R22M	0.22					
MDCA3015-R47M	0.47					
MDCA3015-R56M	0.56					
MDCA3015-R68M	0.68					
MDCA3015-1R0M	1.00					
MDCA3015-1R5M	1.50					
MDCA3015-2R2M	2.20					
MDCA3015-3R3M	3.30					
MDCA3015-4R7M	4.70					
MDCA3015-5R6M	5.60					
MDCA3015-6R8M	6.80					
MDCA3015-8R2M	8.20					
MDCA3015-100M	10.0					

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:

