## **OWIMD4D10C TYPE**

## **FEATURES**

1. LOW Profile (1.2mm max. height) and 6.4mm square.

2. Various high power inductors are superior to be high saturation for surface mounting.

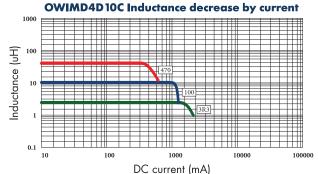
## 5.0±0.3 1.2MAX 5.4MAX (3.4) 1.2MAX 3.4 (3.4) 1.2MAX (3.4) (3.4

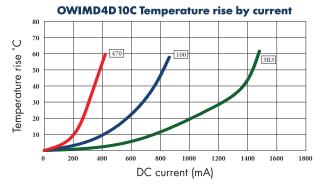


- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.

## **ELECTRICAL CHARACTERISTICS FOR OWIMD4D10C SERIES**

| Part Number    | Inductance<br>(uH) <sup>(1)</sup> | Test Frequency | DC Resistance<br>(Ω MAX) <sup>(2)</sup> | Saturation<br>Current (A) <sup>(3)</sup> | Temperature<br>Current (A) <sup>(4)</sup> |
|----------------|-----------------------------------|----------------|---|--|---|
| OWIMD4D10C-3R3 | 3.3                               | 100KHZ         | 0.20                                    | 1.37                                     | 1.16                                      |
| OWIMD4D10C-4R7 | 4.7                               | 100KHZ         | 0.28                                    | 1.12                                     | 0.96                                      |
| OWIMD4D10C-6R8 | 6.8                               | 100KHZ         | 0.38                                    | 1.10                                     | 0.80                                      |
| OWIMD4D10C-100 |                                   | 100KHZ         | 0.60                                    | 0.82                                     | 0.64                                      |
| OWIMD4D10C-150 |                                   | 100KHZ         | 0.90                                    | 0.67                                     | 0.50                                      |
| OWIMD4D10C-220 |                                   | 100KHZ         | 1.30                                    | 0.55                                     | 0.42                                      |
| OWIMD4D10C-330 |                                   | 100KHZ         | 1.75                                    | 0.45                                     | 0.36                                      |
| OWIMD4D10C-470 | 47                                | 100KHZ         | 2.80                                    | 0.40                                     | 0.30                                      |
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- 1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
- 2. DCR test temp. limits 25°C.
- 3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
- To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current
- Please refer saturated current or the minimum temperature current as standard.