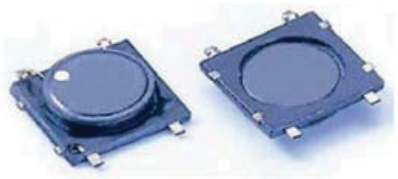
# OWIMD4D10 TYPE

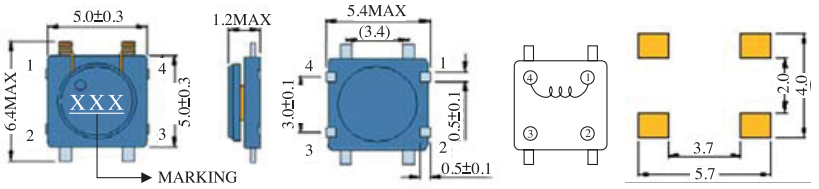


## FEATURES

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.

## APPLICATIONS

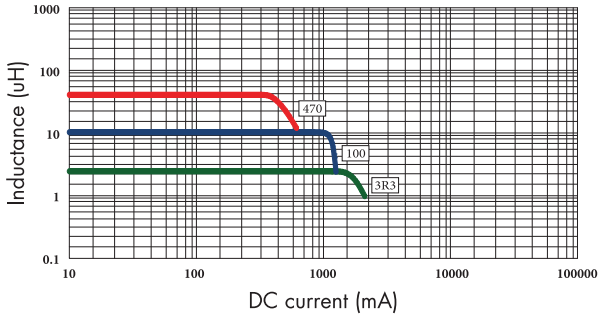
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



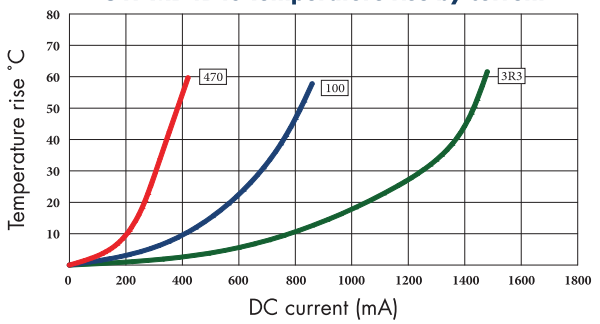

## ELECTRICAL CHARACTERISTICS FOR OWIMD4D10 SERIES

| Part Number | Inductance (uH)[1] | Test Frequency | DC Resistance (Ω MAX)[2] | Saturation Current (A)[3] | Temperature Current (A)[4] |
|---|---|---|---|---|---|
| OWIMD4D10-3R3 | 3.3 | 100KHZ | 0.20 | 1.37 | 1.16 |
| OWIMD4D10-4R7 | 4.7 | 100KHZ | 0.28 | 1.12 | 0.96 |
| OWIMD4D10-6R8 | 6.8 | 100KHZ | 0.38 | 1.10 | 0.80 |
| OWIMD4D10-100 | 10 | 100KHZ | 0.60 | 0.82 | 0.64 |
| OWIMD4D10-150 | 15 | 100KHZ | 0.90 | 0.67 | 0.50 |
| OWIMD4D10-220 | 22 | 100KHZ | 1.30 | 0.55 | 0.42 |
| OWIMD4D10-330 | 33 | 100KHZ | 1.75 | 0.45 | 0.36 |
| OWIMD4D10-470 | 47 | 100KHZ | 2.80 | 0.40 | 0.30 |

**OWIMD4D10 Inductance decrease by current**




**OWIMD4D10 Temperature rise by current**




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.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.