



# OWI6028 TYPE

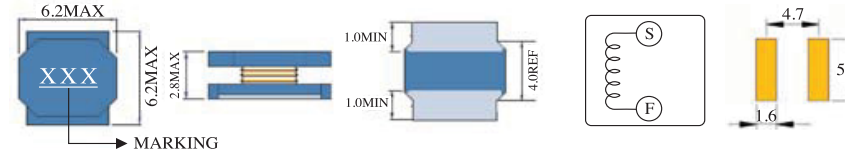


### FEATURES

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

### APPLICATIONS

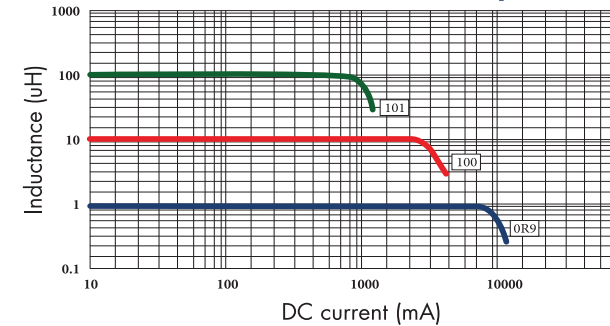
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



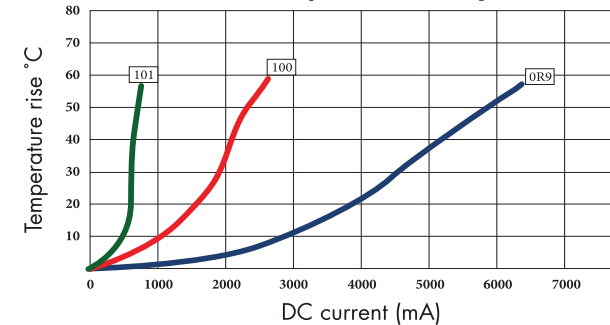
## ELECTRICAL CHARACTERISTICS FOR OWI6028 SERIES

| Part Number | Inductance (uH) <sup>(1)</sup> | Test Frequency | DC Resistance (Ω MAX) <sup>(2)</sup> | Saturation Current (A) <sup>(3)</sup> | Temperature Current (A) <sup>(4)</sup> |
|-------------|--------------------------------|----------------|--------------------------------------|---------------------------------------|--|
| OWI6028-0R9 | 0.9                            | 100KHZ         | 17.0m                                | 6.60                                  | 4.50                                   |
| OWI6028-1R5 | 1.5                            | 100KHZ         | 21.0m                                | 5.00                                  | 4.00                                   |
| OWI6028-2R2 | 2.2                            | 100KHZ         | 26.0m                                | 4.20                                  | 3.60                                   |
| OWI6028-3R0 | 3.0                            | 100KHZ         | 30.0m                                | 3.60                                  | 3.10                                   |
| OWI6028-4R7 | 4.7                            | 100KHZ         | 37.2m                                | 2.70                                  | 2.50                                   |
| OWI6028-6R0 | 6.0                            | 100KHZ         | 48.0m                                | 2.50                                  | 2.20                                   |
| OWI6028-100 | 10                             | 100KHZ         | 78.0m                                | 1.90                                  | 1.90                                   |
| OWI6028-150 | 15                             | 100KHZ         | 114m                                 | 1.60                                  | 1.60                                   |
| OWI6028-220 | 22                             | 100KHZ         | 180m                                 | 1.30                                  | 1.20                                   |
| OWI6028-330 | 33                             | 100KHZ         | 264m                                 | 1.10                                  | 1.00                                   |
| OWI6028-470 | 47                             | 100KHZ         | 360m                                 | 0.95                                  | 0.85                                   |
| OWI6028-680 | 68                             | 100KHZ         | 504m                                 | 0.76                                  | 0.70                                   |
| OWI6028-101 | 100                            | 100KHZ         | 720m                                 | 0.62                                  | 0.60                                   |

**OWI6028 Inductance decrease by current**



**OWI6028 Temperature rise by current**



1. Inductance tested at 0.25V. Tolerance of inductance: 0.9uH~3.0uH: ±30%(N) 4.7uH~100uH: ±20%(M)
2. DCR test temp. limits 25 °C.
3. This indicates the value of current when the inductance is 3% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambient 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.