



SMD POWER INDUCTORS





OWI1212 TYPE



FEATURES

- 1. Low profile dimension (2.1mm MAX) and small size of 1212 (3.3 x 3.3mm) is suitable for portable equipment.
- 2. The series have low DC resistance.
- 3. BC1212. Series have large inductance of 560uH to 2200uH
- 4. Magnetically Shiedlded structure prevents interference Occurring between peripheral components.

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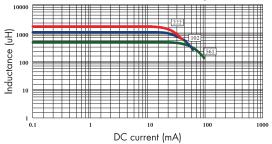
→ MARKING



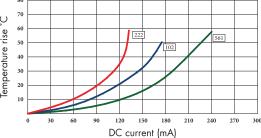




OWI 1212 Inductance decrease by current



OWI 1212 Temperature rise by current Õ



- 1. Inductance tested at 1V. Tolerance of inductance: ±30%(N)
- 2. DCR test temp. limits 25°C.
- 3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C.
- 4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40 °C or more lower
- 5. Please refer saturated current or the minimum temperature current as standard.

ELECTRICAL CHARACTERISTICS FOR OWI1212 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (mA) ⁽³⁾	Temperature Current (mA) ⁽⁴⁾
OWI1212-561	560	1KHZ	8.0	41	190
OWI1212-681	680	1KHZ	9.0	37	1 <i>75</i>
OWI1212-102	1000	1KHZ	12.0	30	145
OWI1212-152	1500	1KHZ	15.0	25	130
OWI1212-222	2200	1KHZ	23.5	20	110

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