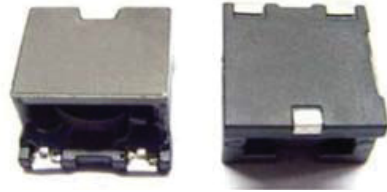




OWIEP147L TYPE

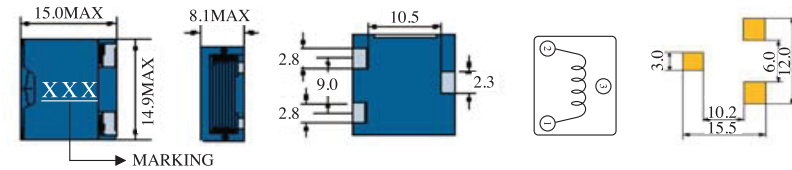


FEATURES

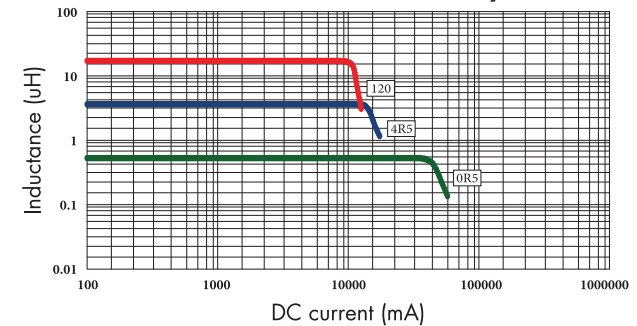
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

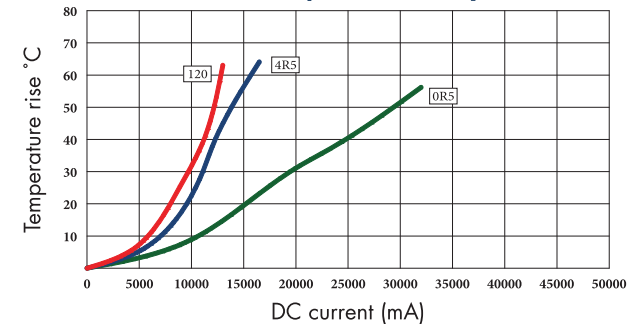
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWIEP147L Inductance decrease by current



OWIEP147L Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIEP147L SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIEP147L-R50	0.5	100KHZ	2.10m	39.6	24.0
OWIEP147L-1R1	1.1	100KHZ	2.65m	26.4	22.0
OWIEP147L-2R0	2.0	100KHZ	3.50m	19.6	19.5
OWIEP147L-3R1	3.1	100KHZ	3.90m	16.0	16.2
OWIEP147L-4R5	4.5	100KHZ	5.50m	13.6	14.0
OWIEP147L-6R1	6.1	100KHZ	7.50m	11.6	13.5
OWIEP147L-8R0	8.0	100KHZ	7.80m	10.0	11.5
OWIEP147L-100	10	100KHZ	9.85m	9.2	10.2
OWIEP147L-120	12	100KHZ	13.3m	8.0	9.0

1. Inductance tested at 0.25V. Tolerance of inductance: 0.5uH: ±30%(N) 1.1uH~12uH: ±20%(M)
2. DCR test temp. limits 25 °C.
3. This indicates the value of current when the inductance is 25% 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.