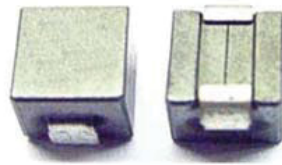




OWIPS6450 TYPE

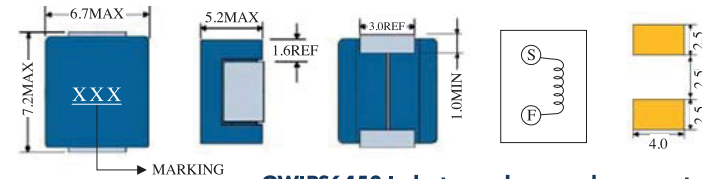


FEATURES

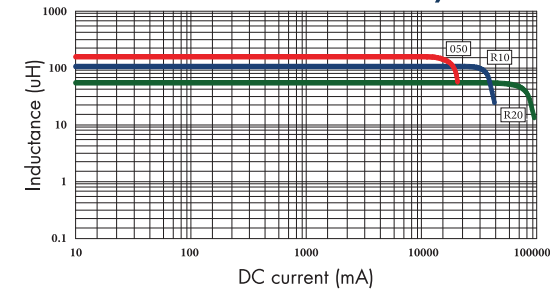
- 125°C maximum total temperature operation. Surface mount inductors designed for high speed switch mode applications requiring lower inductance and high current.
- Inductance range from 0.05uH to 0.20uH.
- Current range up to 75Amps.

APPLICATIONS

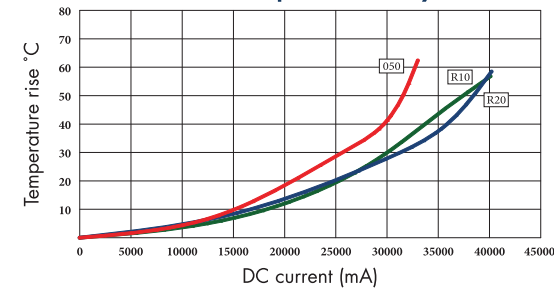
- Next generation microprocessors.



OWIPS6450 Inductance decrease by current



OWIPS6450 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIPS6450 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIPS6450-050	0.05	1MHz	0.29	70.0	30
OWIPS6450-R10	0.10	1MHz	0.29	35.0	30
OWIPS6450-R15	0.15	1MHz	0.29	25.5	30
OWIPS6450-R20	0.20	1MHz	0.29	19.0	26

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- Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
- DCR test temp. limits 25°C.
- This indicates the value of current when the inductance is 30% 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.