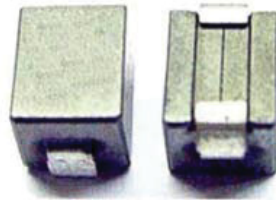




## OWIPS9050 TYPE

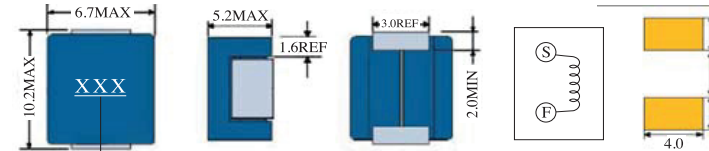


### FEATURES

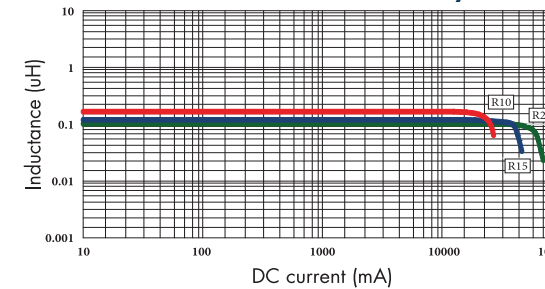
- 155°C maximum total temperature operation. Surface mount inductors designed for higher speed switch mode applications requiring lower inductance and high current.
- Inductance range from 0.10uH to 0.220uH.
- Current range up to 50Amps.

### APPLICATIONS

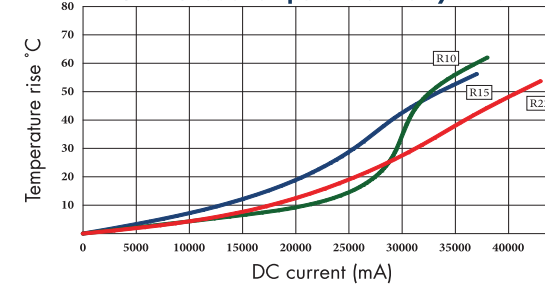
- Next generation microprocessors.



### OWIPS9050 Inductance decrease by current



### OWIPS9050 Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWIPS9050 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>
OWIPS9050-R10	0.10	1MHz	0.350	50	28
OWIPS9050-R12	0.12	1MHz	0.350	42	28
OWIPS9050-R15	0.15	1MHz	0.350	33	28
OWIPS9050-R20	0.20	1MHz	0.350	25	30
OWIPS9050-R22	0.22	1MHz	0.350	23	32

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1. Inductance tested at 0.25V. Tolerance of inductance: ±20%
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. 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.