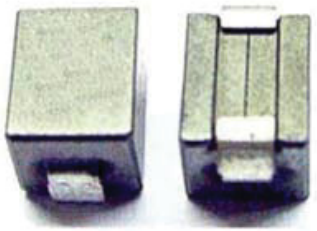
OWIPS9050 TYPE

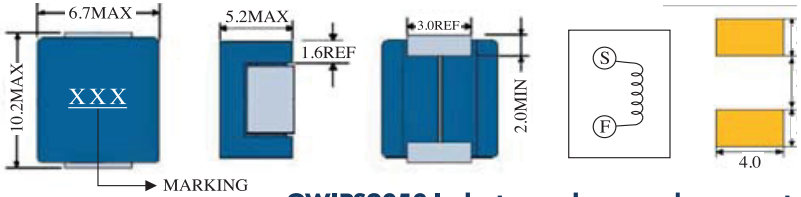


FEATURES

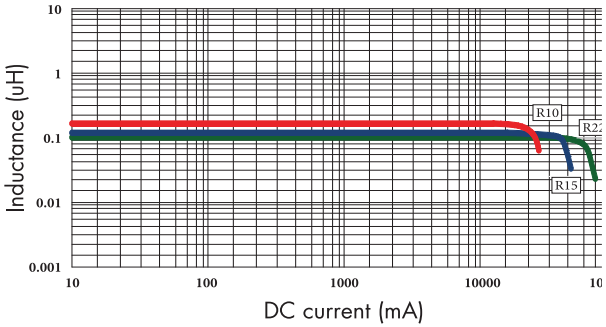
1. 155˚C maximum total temperature operation. Surface mount inductors designed for higher speed switch mode applications requiring lower inductance and high current.
2. Inductance range from 0.10uH to 0.220uH.
3. Current range up to 50Amps.

APPLICATIONS

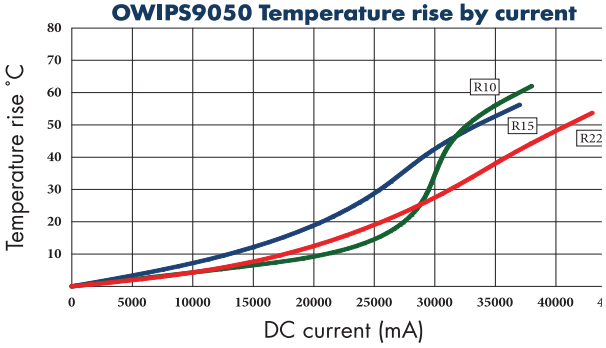
1. Next generation microprocessors.



OWIPS9050 Inductance decrease by current



OWIPS9050 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIPS9050 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
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

1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M
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. curren
4. To load current onto the components under normal ambienc 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.