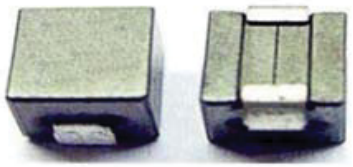
OWIPS6430 TYPE

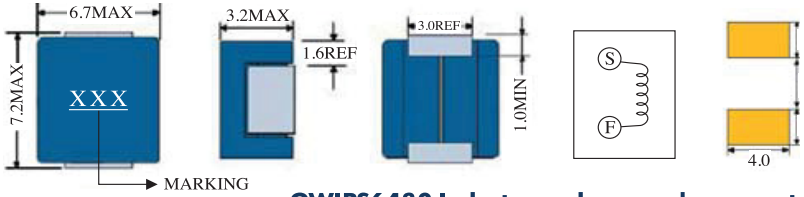


FEATURES

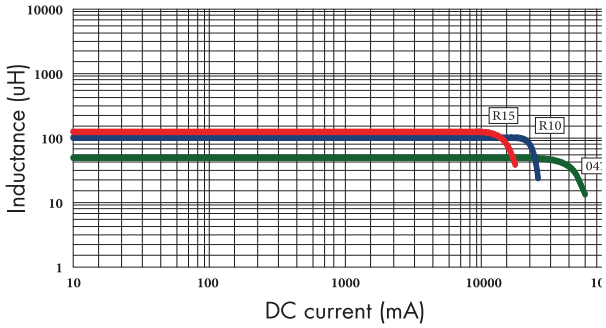
1. 125°C maximum total temperature operation. Surface mount inductors designed for higher speed switch mode applications requiring lower inductance and high current.
2. Inductance range from 0.047uH to 0.12uH.
3. Current range up to 47Amps.

APPLICATIONS

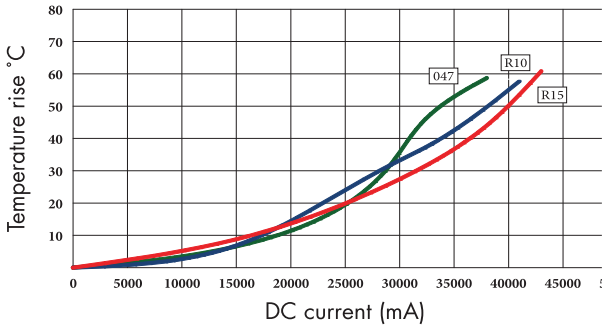
1. Next generation microprocessors.



OWIPS6430 Inductance decrease by current



OWIPS6430 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIPS6430 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIPS6430-047	0.047	1MHz	0.26m	42	30
OWIPS6430-068	0.068	1MHz	0.26m	32	30
OWIPS6430-082	0.082	1MHz	0.26m	26	30
OWIPS6430-R10	0.100	1MHz	0.26m	22	30
OWIPS6430-R12	0.120	1MHz	0.26m	18	30
OWIPS6430-R15	0.150	1MHz	0.26m	14.5	30

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 25% lower than its initial value at D.C. superposition or D.C. currer
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.