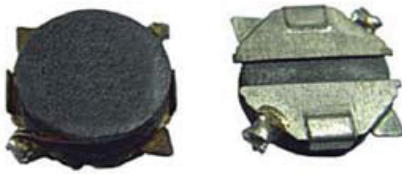
OWIH518 TYPE

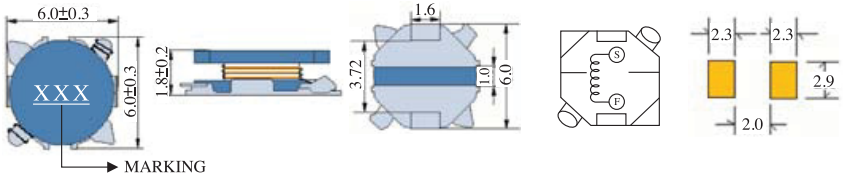


FEATURES

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

APPLICATIONS

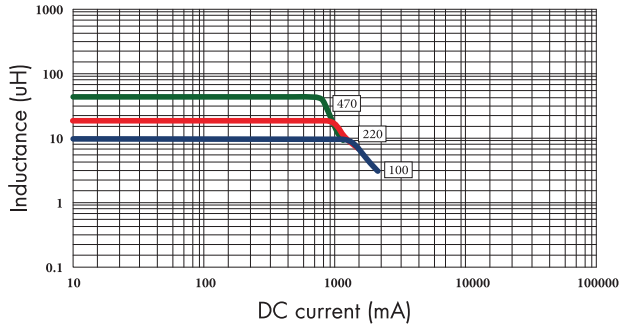
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



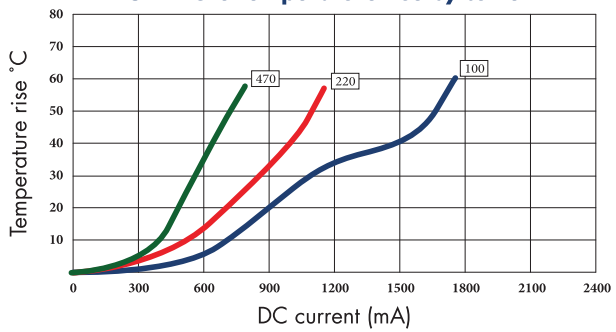
ELECTRICAL CHARACTERISTICS FOR OWIH518 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIH518-100	10	100KHZ	175m	1.20	1.23
OWIH518-120	12	100KHZ	190m	1.00	1.10
OWIH518-150	15	100KHZ	225m	0.90	1.04
OWIH518-180	18	100KHZ	310m	0.80	0.93
OWIH518-220	22	100KHZ	340m	0.75	0.84
OWIH518-270	27	100KHZ	420m	0.65	0.72
OWIH518-330	33	100KHZ	576m	0.60	0.64
OWIH518-390	39	100KHZ	643m	0.55	0.57
OWIH518-470	47	100KHZ	781m	0.50	0.54

OWIH518 Inductance decrease by current



OWIH518 Temperature rise by current



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 10% 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.