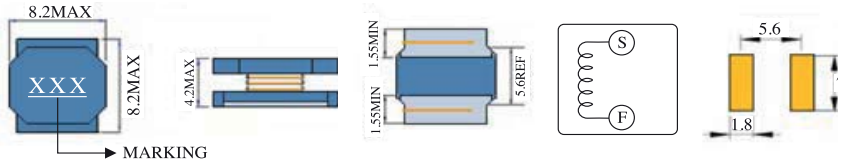
OWI8040 TYPE

FEATURES

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

APPLICATIONS

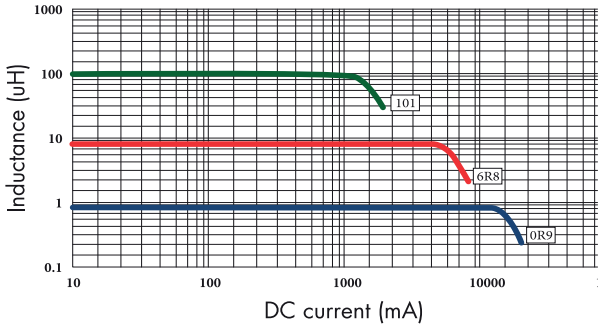
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



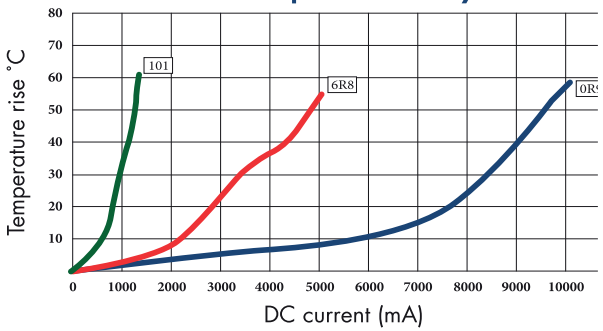
ELECTRICAL CHARACTERISTICS FOR OWI8040 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI8040-0R9	0.9	100KHZ	7.8m	11.0	8.20
OWI8040-1R4	1.4	100KHZ	9.5m	9.0	6.40
OWI8040-2R0	2.0	100KHZ	11.7m	7.4	6.10
OWI8040-3R6	3.6	100KHZ	19.5m	5.3	5.30
OWI8040-4R7	4.7	100KHZ	23.4m	4.7	4.70
OWI8040-6R8	6.8	100KHZ	32.5m	4.0	3.90
OWI8040-100	10	100KHZ	42m	3.4	3.20
OWI8040-150	15	100KHZ	60m	2.7	2.50
OWI8040-220	22	100KHZ	88m	2.2	2.20
OWI8040-330	33	100KHZ	130m	1.9	1.60
OWI8040-470	47	100KHZ	200m	1.5	1.40
OWI8040-680	68	100KHZ	300m	1.2	1.10
OWI8040-101	100	100KHZ	380m	1.0	0.90

OWI8040 Inductance decrease by current



OWI8040 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.9uH~6.8uH: ±30%(N) 10uH~100uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 3C lower than its initial value at D.C. superposition or D.C. curre
4. To load current onto the components under normal ambien 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.