



OWI53LC TYPE

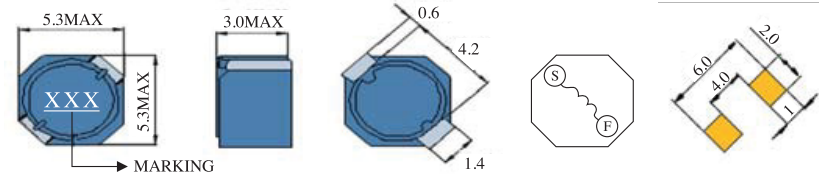


FEATURES

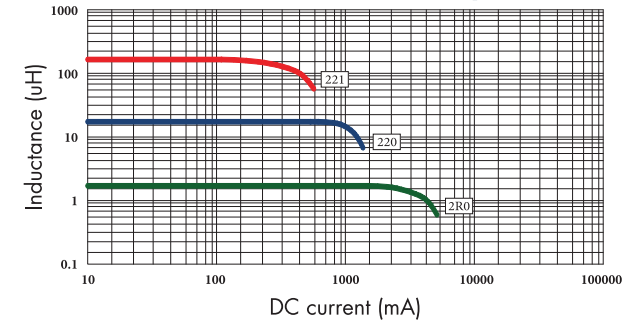
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

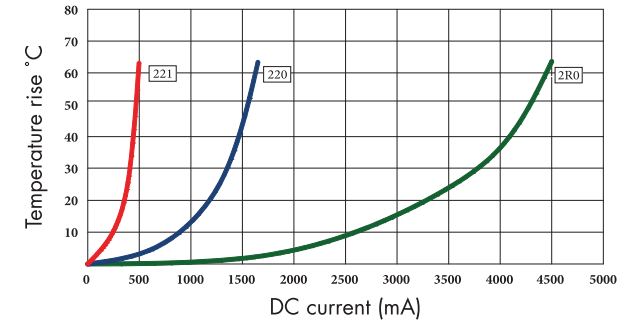
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI53LC Inductance decrease by current



OWI53LC Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI53LC SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI53LC-2R0	2.0	100KHZ	38m	2.92	3.60
OWI53LC-3R3	3.3	100KHZ	51m	2.36	3.42
OWI53LC-4R7	4.7	100KHZ	60m	1.87	2.80
OWI53LC-6R8	6.8	100KHZ	76m	1.51	2.27
OWI53LC-100	10	100KHZ	105m	1.33	2.00
OWI53LC-150	15	100KHZ	126m	1.05	1.60
OWI53LC-220	22	100KHZ	190m	0.86	1.28
OWI53LC-330	33	100KHZ	288m	0.72	1.09
OWI53LC-470	47	100KHZ	415m	0.62	0.87
OWI53LC-680	68	100KHZ	545m	0.51	0.73
OWI53LC-101	100	100KHZ	860m	0.43	0.58
OWI53LC-151	150	100KHZ	1.24	0.21	0.46
OWI53LC-221	220	100KHZ	2.04	0.18	0.39

- 1. Inductance tested at 0.25V. Tolerance of inductance:
2.0uH~6.8uH: ±30%(N) 10uH~220uH: ±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. 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.