



OWI52LC TYPE

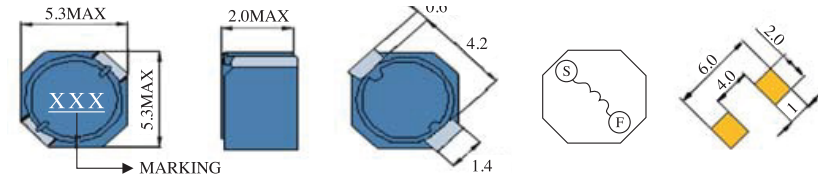


FEATURES

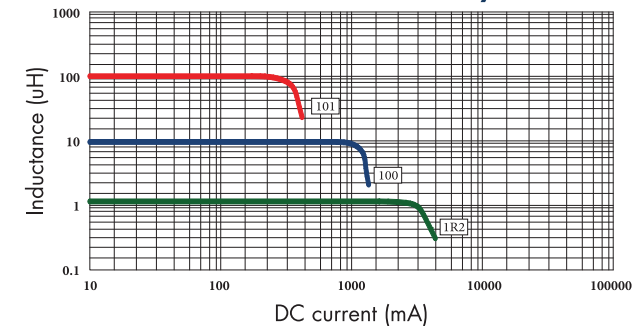
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

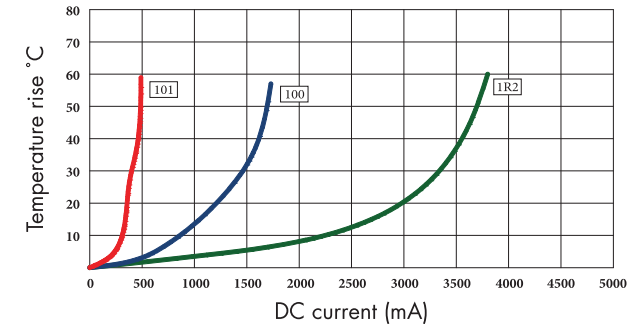
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI52LC Inductance decrease by current



OWI52LC Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI52LC SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI52LC-1R2	1.2	100KHZ	44m	2.15	3.30
OWI52LC-2R2	2.2	100KHZ	59m	1.63	3.00
OWI52LC-2R5	2.5	100KHZ	73m	1.34	2.10
OWI52LC-4R7	4.7	100KHZ	87m	1.14	1.78
OWI52LC-6R8	6.8	100KHZ	105m	0.95	1.60
OWI52LC-100	10	100KHZ	150m	0.76	1.44
OWI52LC-150	15	100KHZ	230m	0.63	1.16
OWI52LC-220	22	100KHZ	320m	0.56	0.98
OWI52LC-330	33	100KHZ	455m	0.44	0.78
OWI52LC-470	47	100KHZ	730m	0.36	0.60
OWI52LC-680	68	100KHZ	1.13	0.30	0.48
OWI52LC-101	100	100KHZ	1.65	0.23	0.38

- 1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~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 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.