



### OWI3316C TYPE

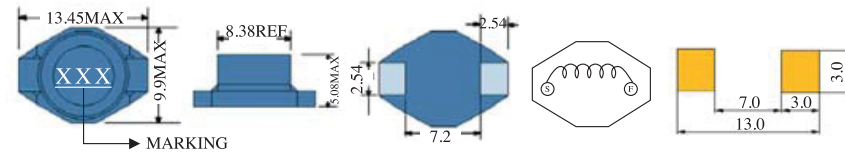


#### FEATURES

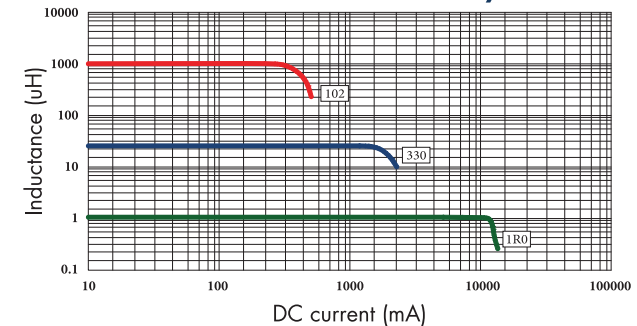
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

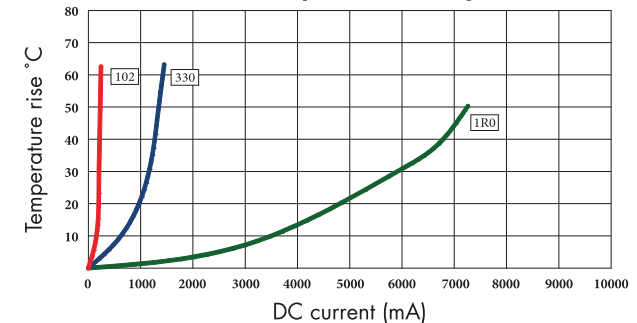
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI3316C Inductance decrease by current



OWI3316C Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWI3316C SERIES

Part Number	Inductance (uH) <sup>(1)</sup>	Test Frequency	DC Resistance (Ω MAX) <sup>(2)</sup>	Saturation Current (A) <sup>(3)</sup>	Temperature Current (A) <sup>(4)</sup>
OWI3316C-1R0	1.0	100KHZ	21m	5.60	6.00
OWI3316C-1R5	1.5	100KHZ	22m	5.20	5.70
OWI3316C-2R2	2.2	100KHZ	32m	5.00	4.59
OWI3316C-3R3	3.3	100KHZ	39m	3.90	4.37
OWI3316C-4R7	4.7	100KHZ	54m	3.20	3.73
OWI3316C-6R8	6.8	100KHZ	75m	2.80	2.61
OWI3316C-100	10	100KHZ	0.101	2.40	2.34
OWI3316C-150	15	100KHZ	0.150	2.00	1.87
OWI3316C-220	22	100KHZ	0.207	1.60	1.49
OWI3316C-330	33	100KHZ	0.334	1.40	1.20
OWI3316C-470	47	100KHZ	0.472	1.00	0.96
OWI3316C-680	68	100KHZ	0.660	0.90	0.77
OWI3316C-101	100	100KHZ	0.924	0.80	0.61
OWI3316C-151	150	100KHZ	1.290	0.70	0.49
OWI3316C-221	220	100KHZ	2.200	0.50	0.39
OWI3316C-331	330	100KHZ	2.500	0.38	0.31
OWI3316C-471	470	100KHZ	3.700	0.35	0.28
OWI3316C-681	680	100KHZ	6.400	0.30	0.225
OWI3316C-102	1000	100KHZ	9.600	0.20	0.200

- 1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~2.2uH: ±30%(N) 3.3uH~1000uH: ±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.