



OWIR105B TYPE

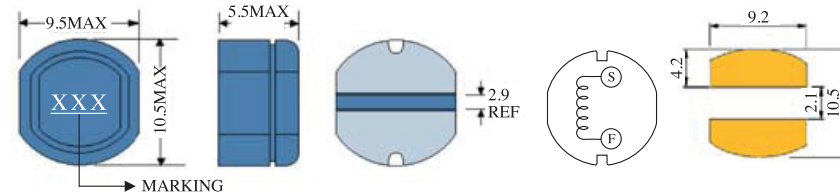


FEATURES

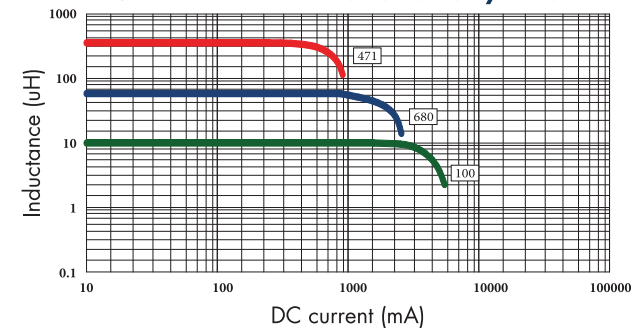
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

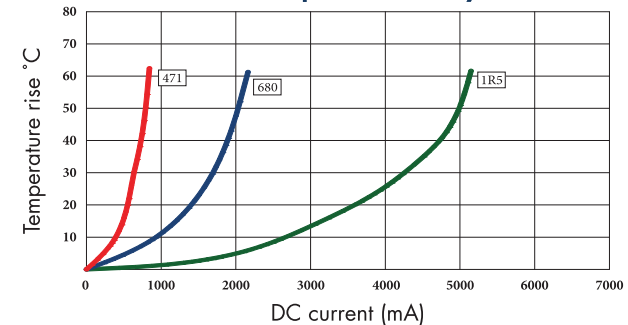
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIR105B Inductance decrease by current



OWIR105B Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIR105B SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIR105B-100	10	7.96KHZ	0.06	2.06	4.40
OWIR105B-120	12	7.96KHZ	0.07	1.94	4.00
OWIR105B-150	15	7.96KHZ	0.07	1.72	3.60
OWIR105B-180	18	7.96KHZ	0.08	1.58	3.24
OWIR105B-220	22	7.96KHZ	0.08	1.42	2.92
OWIR105B-270	27	7.96KHZ	0.10	1.32	2.63
OWIR105B-330	33	2.52KHZ	0.11	1.16	2.37
OWIR105B-390	39	2.52KHZ	0.12	1.10	2.14
OWIR105B-470	47	2.52KHZ	0.14	1.00	1.93
OWIR105B-560	56	2.52KHZ	0.19	0.93	1.74
OWIR105B-680	68	2.52KHZ	0.21	0.85	1.66
OWIR105B-820	82	2.52KHZ	0.28	0.79	1.57
OWIR105B-101	100	1KHZ	0.34	0.72	1.42
OWIR105B-121	120	1KHZ	0.37	0.63	1.28
OWIR105B-151	150	1KHZ	0.51	0.55	1.16
OWIR105B-181	180	1KHZ	0.57	0.50	1.05
OWIR105B-221	220	1KHZ	0.78	0.47	0.90
OWIR105B-271	270	1KHZ	0.87	0.41	0.86
OWIR105B-331	330	1KHZ	1.20	0.37	0.78
OWIR105B-391	390	1KHZ	1.34	0.35	0.70
OWIR105B-471	470	1KHZ	1.50	0.33	0.63

- 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 Δt=40 °C or more lower current.
- 5. Please refer saturated current or the minimum temperature current as standard.