



### OWIR74B TYPE

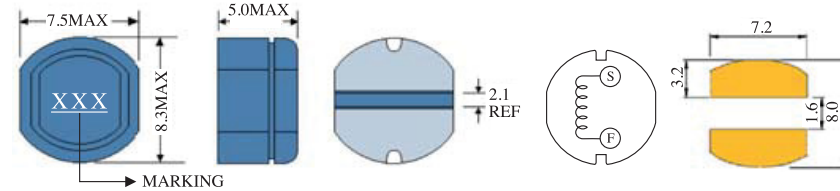


#### FEATURES

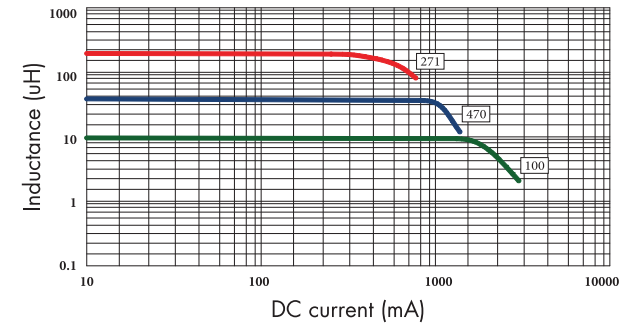
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

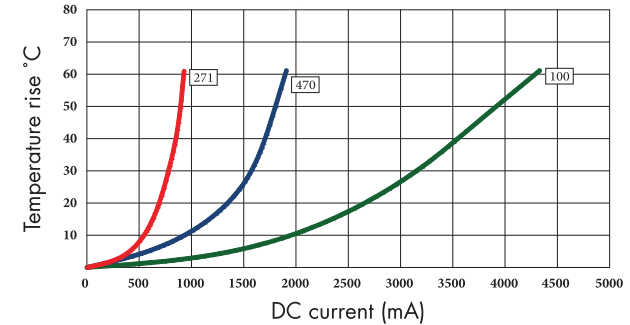
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



#### OWIR74B Inductance decrease by current



#### OWIR74B Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWIR74B 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>
OWIR74B-100	10	2.52KHZ	0.07	1.65	3.30
OWIR74B-120	12	2.52KHZ	0.07	1.57	3.00
OWIR74B-150	15	2.52KHZ	0.08	1.39	2.70
OWIR74B-180	18	2.52KHZ	0.10	1.29	2.43
OWIR74B-220	22	2.52KHZ	0.13	1.12	2.18
OWIR74B-270	27	2.52KHZ	0.16	1.06	1.96
OWIR74B-330	33	2.52KHZ	0.18	0.97	1.74
OWIR74B-390	39	2.52KHZ	0.18	0.91	1.64
OWIR74B-470	47	2.52KHZ	0.27	0.80	1.55
OWIR74B-560	56	2.52KHZ	0.29	0.76	1.47
OWIR74B-680	68	2.52KHZ	0.33	0.68	1.32
OWIR74B-820	82	2.52KHZ	0.43	0.62	1.20
OWIR74B-101	100	1KHZ	0.49	0.55	1.14
OWIR74B-121	120	1KHZ	0.68	0.49	1.08
OWIR74B-151	150	1KHZ	0.94	0.44	0.97
OWIR74B-181	180	1KHZ	1.00	0.40	0.87
OWIR74B-221	220	1KHZ	1.18	0.36	0.78
OWIR74B-271	270	1KHZ	1.30	0.33	0.70

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