



OWIB75F TYPE

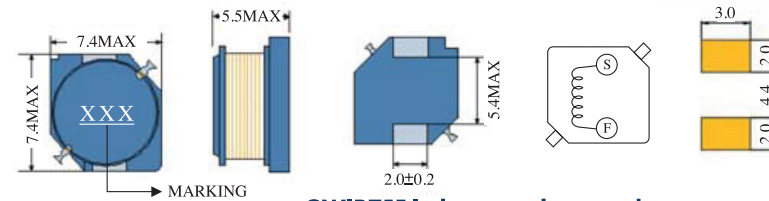


FEATURES

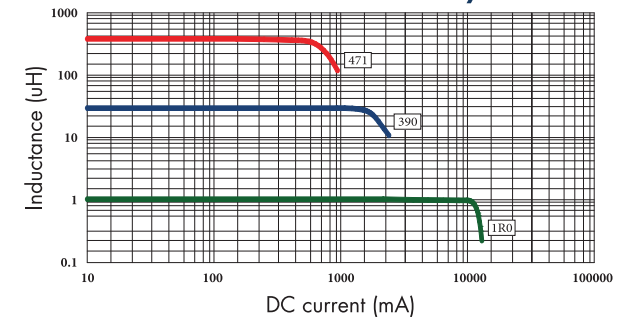
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

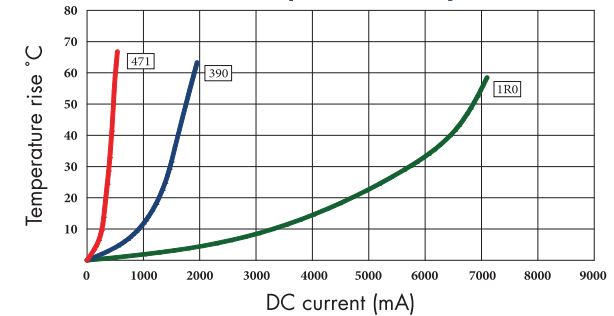
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIB75F Inductance decrease by current



OWIB75F Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIB75F SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIB75F-1R0	1.0	1KHZ	23m	2.88	5.50
OWIB75F-1R5	1.5	1KHZ	28m	2.56	5.00
OWIB75F-2R2	2.2	1KHZ	32m	2.36	4.20
OWIB75F-3R3	3.3	1KHZ	38m	2.16	3.80
OWIB75F-4R7	4.7	1KHZ	49m	1.88	3.50
OWIB75F-6R8	6.8	1KHZ	60m	1.68	3.24
OWIB75F-100	10	1KHZ	70m	1.56	2.70
OWIB75F-120	12	1KHZ	80m	1.44	2.50
OWIB75F-150	15	1KHZ	90m	1.36	2.30
OWIB75F-180	18	1KHZ	0.10	1.28	2.10
OWIB75F-220	22	1KHZ	0.12	1.17	1.90
OWIB75F-270	27	1KHZ	0.14	1.07	1.70
OWIB75F-330	33	1KHZ	0.18	1.00	1.55
OWIB75F-390	39	1KHZ	0.21	0.91	1.40
OWIB75F-470	47	1KHZ	0.25	0.84	1.30
OWIB75F-560	56	1KHZ	0.29	0.72	1.22
OWIB75F-680	68	1KHZ	0.34	0.66	1.14
OWIB75F-820	82	1KHZ	0.46	0.58	1.00
OWIB75F-101	100	1KHZ	0.55	0.51	0.85
OWIB75F-121	120	1KHZ	0.67	0.42	0.78
OWIB75F-151	150	1KHZ	0.90	0.37	0.68
OWIB75F-181	180	1KHZ	1.05	0.35	0.60
OWIB75F-221	220	1KHZ	1.35	0.29	0.50
OWIB75F-271	270	1KHZ	1.55	0.28	0.47
OWIB75F-331	330	1KHZ	2.05	0.23	0.44
OWIB75F-391	390	1KHZ	2.30	0.215	0.41
OWIB75F-471	470	1KHZ	2.60	0.195	0.38

- 1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~3.3uH: ±30%(N) 4.7uH~100uH: ±20%(M) 120uH~470uH: ±10%(K)
- 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.