



### OWIRH124B TYPE

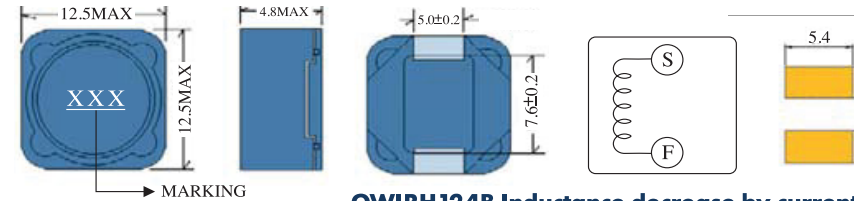


#### FEATURES

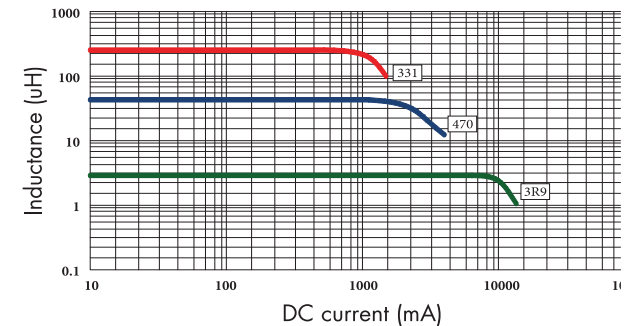
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

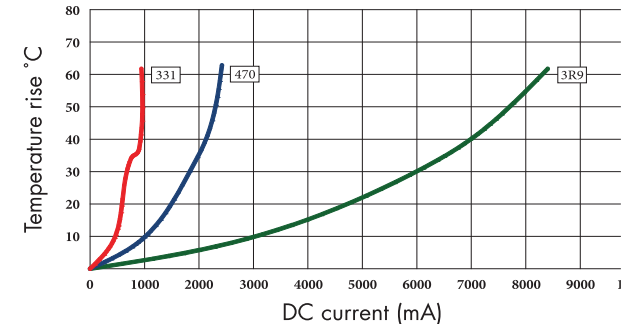
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



**OWIRH124B Inductance decrease by current**



**OWIRH124B Temperature rise by current**



### ELECTRICAL CHARACTERISTICS FOR OWIRH124B 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>
OWIRH124B-3R9	3.9	100KHZ	20m	6.5	6.00
OWIRH124B-4R7	4.7	100KHZ	24m	5.7	5.40
OWIRH124B-6R8	6.8	100KHZ	30m	4.9	4.80
OWIRH124B-8R2	8.2	100KHZ	34m	4.6	4.40
OWIRH124B-100	10	100KHZ	38m	4.5	4.10
OWIRH124B-120	12	100KHZ	49m	4.0	3.90
OWIRH124B-150	15	100KHZ	53m	3.2	3.50
OWIRH124B-180	18	100KHZ	62m	3.1	3.10
OWIRH124B-220	22	100KHZ	66m	2.9	3.00
OWIRH124B-270	27	100KHZ	92m	2.8	2.70
OWIRH124B-330	33	100KHZ	111m	2.7	2.43
OWIRH124B-390	39	100KHZ	132m	2.1	2.07
OWIRH124B-470	47	100KHZ	170m	1.9	1.87
OWIRH124B-560	56	100KHZ	190m	1.8	1.77
OWIRH124B-680	68	100KHZ	220m	1.5	1.60
OWIRH124B-820	82	100KHZ	275m	1.3	1.44
OWIRH124B-101	100	100KHZ	330m	1.2	1.36
OWIRH124B-121	120	100KHZ	400m	1.1	1.23
OWIRH124B-151	150	100KHZ	530m	0.95	1.16
OWIRH124B-181	180	100KHZ	620m	0.85	1.05
OWIRH124B-221	220	100KHZ	700m	0.80	0.95
OWIRH124B-271	270	100KHZ	870m	0.60	0.86
OWIRH124B-331	330	100KHZ	990m	0.50	0.78

- 1. Inductance tested at 0.25V. Tolerance of inductance: 3.9uH~8.2uH: ±30%(N) 10uH~330uH: ±20%(M)
- 2. DCR test temp. limits 25 °C.
- 3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current
- 4. To load current onto the components under normal ambient 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.