



OWIRH124 TYPE

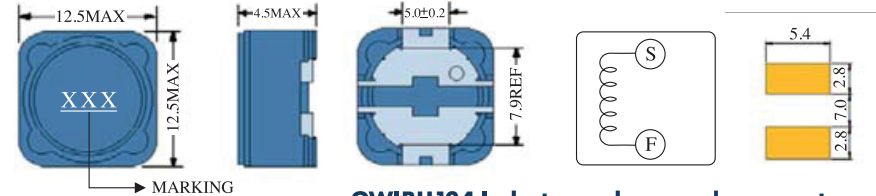


FEATURES

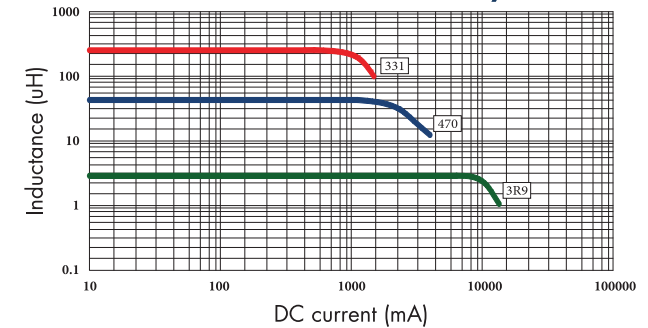
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

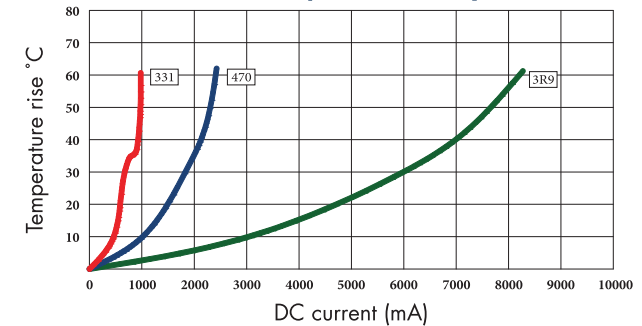
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH124 Inductance decrease by current



OWIRH124 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH124 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIRH124-3R9	3.9	100KHZ	15m	6.5	6.0
OWIRH124-4R7	4.7	100KHZ	18m	5.7	5.4
OWIRH124-6R8	6.8	100KHZ	23m	4.9	4.8
OWIRH124-8R2	8.2	100KHZ	26m	4.6	4.4
OWIRH124-100	10	100KHZ	28m	4.5	4.1
OWIRH124-120	12	100KHZ	38m	4.0	3.9
OWIRH124-150	15	100KHZ	50m	3.2	3.5
OWIRH124-180	18	100KHZ	57m	3.1	3.1
OWIRH124-220	22	100KHZ	66m	2.9	3.0
OWIRH124-270	27	100KHZ	80m	2.8	2.7
OWIRH124-330	33	100KHZ	97m	2.7	2.43
OWIRH124-390	39	100KHZ	132m	2.1	2.07
OWIRH124-470	47	100KHZ	160m	1.9	1.87
OWIRH124-560	56	100KHZ	190m	1.8	1.77
OWIRH124-680	68	100KHZ	220m	1.5	1.60
OWIRH124-820	82	100KHZ	260m	1.3	1.44
OWIRH124-101	100	100KHZ	308m	1.2	1.36
OWIRH124-121	120	100KHZ	380m	1.1	1.23
OWIRH124-151	150	100KHZ	530m	0.95	1.16
OWIRH124-181	180	100KHZ	620m	0.85	1.05
OWIRH124-221	220	100KHZ	700m	0.80	0.95
OWIRH124-271	270	100KHZ	870m	0.60	0.86
OWIRH124-331	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 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.