



### OWIRH123 TYPE

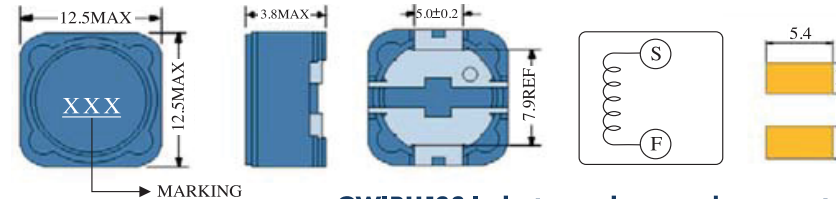


#### FEATURES

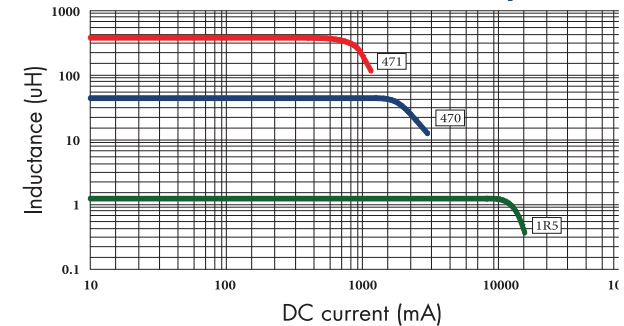
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

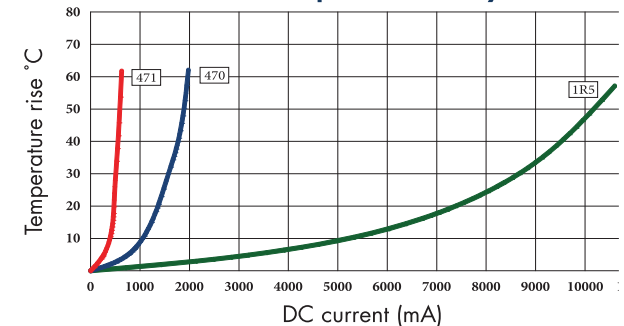
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



**OWIRH123 Inductance decrease by current**



**OWIRH123 Temperature rise by current**



### ELECTRICAL CHARACTERISTICS FOR OWIRH123 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>
OWIRH123-1R5	1.5	100KHZ	15m	12.0	8.00
OWIRH123-2R2	2.2	100KHZ	18m	10.0	7.20
OWIRH123-3R3	3.3	100KHZ	27m	9.30	6.00
OWIRH123-4R7	4.7	100KHZ	36m	7.30	5.10
OWIRH123-6R2	6.2	100KHZ	47m	6.70	4.59
OWIRH123-8R2	8.2	100KHZ	56m	5.80	4.13
OWIRH123-100	10	100KHZ	67m	5.00	3.50
OWIRH123-120	12	100KHZ	73m	4.90	2.97
OWIRH123-150	15	100KHZ	94m	4.20	2.67
OWIRH123-180	18	100KHZ	104m	3.80	2.40
OWIRH123-220	22	100KHZ	120m	3.50	2.16
OWIRH123-270	27	100KHZ	131m	3.20	2.00
OWIRH123-330	33	100KHZ	176m	3.00	1.80
OWIRH123-390	39	100KHZ	215m	2.60	1.62
OWIRH123-470	47	100KHZ	268m	2.30	1.50
OWIRH123-560	56	100KHZ	285m	2.20	1.35
OWIRH123-680	68	100KHZ	354m	1.90	1.28
OWIRH123-820	82	100KHZ	422m	1.80	1.22
OWIRH123-101	100	100KHZ	480m	1.60	1.10
OWIRH123-121	120	100KHZ	620m	1.40	0.99
OWIRH123-151	150	100KHZ	812m	1.30	0.85
OWIRH123-181	180	100KHZ	918m	1.20	0.76
OWIRH123-221	220	100KHZ	1.06	1.00	0.68
OWIRH123-271	270	100KHZ	1.30	0.90	0.62
OWIRH123-331	330	100KHZ	1.58	0.83	0.56
OWIRH123-391	390	100KHZ	1.95	0.80	0.50
OWIRH123-471	470	100KHZ	2.30	0.70	0.45

1. Inductance tested at 0.25V. Tolerance of inductance: 1.5uH~8.2uH: ±30%(N) 10uH~470uH: ±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.