



OWIRH123 TYPE

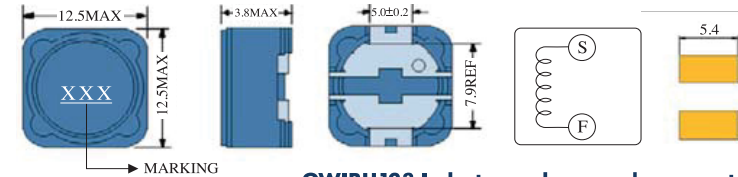


FEATURES

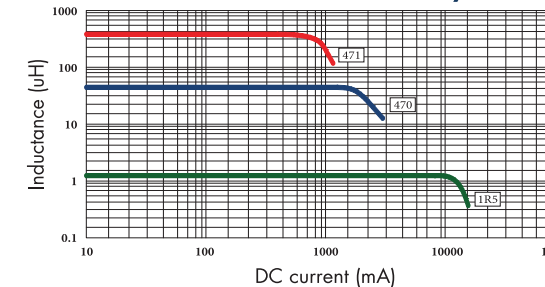
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

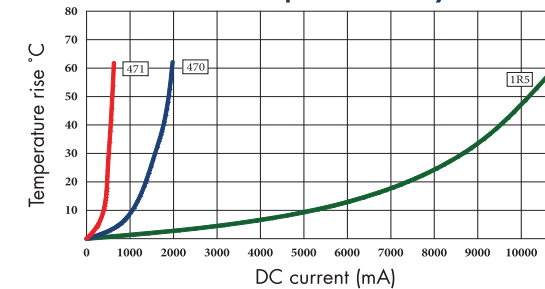
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWIRH123 Inductance decrease by current



OWIRH123 Temperature rise by current



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.

ELECTRICAL CHARACTERISTICS FOR OWIRH123 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
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

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