



## OWIRH105A TYPE

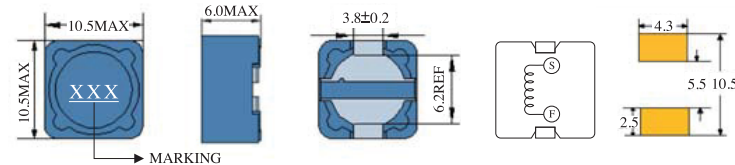


### FEATURES

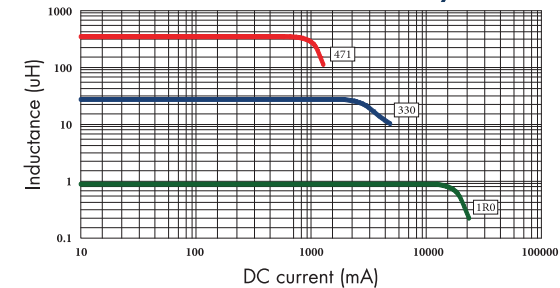
1. Various high power inductors are superior to be high saturation for surface mounting.

### APPLICATIONS

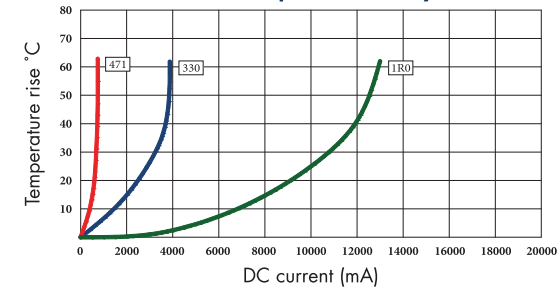
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWIRH105A Inductance decrease by current



OWIRH105A Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:  
1.2uH~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 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.

## ELECTRICAL CHARACTERISTICS FOR OWIRH105A 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>
OWIRH105A-1R0	1.0	100KHZ	6m	15.0	10.0
OWIRH105A-2R5	2.5	100KHZ	11m	9.6	9.00
OWIRH105A-3R3	3.3	100KHZ	15m	8.1	8.00
OWIRH105A-4R7	4.7	100KHZ	17m	6.5	7.20
OWIRH105A-5R6	5.6	100KHZ	21m	6.2	6.00
OWIRH105A-6R8	6.8	100KHZ	26m	5.5	5.40
OWIRH105A-8R2	8.2	100KHZ	30m	5.0	4.86
OWIRH105A-100	10	100KHZ	38m	4.6	4.62
OWIRH105A-120	12	100KHZ	39m	4.2	4.38
OWIRH105A-150	15	100KHZ	52m	3.6	4.29
OWIRH105A-180	18	100KHZ	58m	3.4	4.16
OWIRH105A-220	22	100KHZ	70m	3.0	3.95
OWIRH105A-270	27	100KHZ	90m	2.8	3.20
OWIRH105A-330	33	100KHZ	110m	2.6	3.00
OWIRH105A-390	39	100KHZ	130m	2.3	2.60
OWIRH105A-470	47	100KHZ	147m	2.1	2.47
OWIRH105A-560	56	100KHZ	185m	2.0	2.22
OWIRH105A-680	68	100KHZ	225m	1.8	2.11
OWIRH105A-820	82	100KHZ	286m	1.6	1.90
OWIRH105A-101	100	100KHZ	322m	1.4	1.60
OWIRH105A-121	120	100KHZ	425m	1.3	1.30
OWIRH105A-151	150	100KHZ	510m	1.2	1.17
OWIRH105A-181	180	100KHZ	690m	1.1	1.05
OWIRH105A-221	220	100KHZ	735m	1.0	0.99
OWIRH105A-271	270	100KHZ	935m	0.86	0.94
OWIRH105A-331	330	100KHZ	1.06	0.75	0.85
OWIRH105A-391	390	100KHZ	1.36	0.70	0.77
OWIRH105A-471	470	100KHZ	1.46	0.60	0.69

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