



### OWIRH105 TYPE

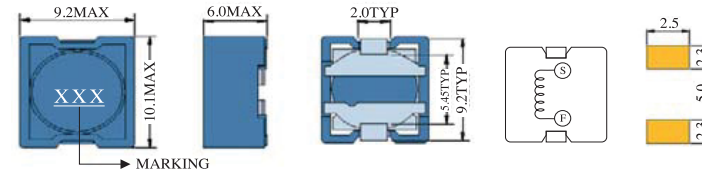


#### FEATURES

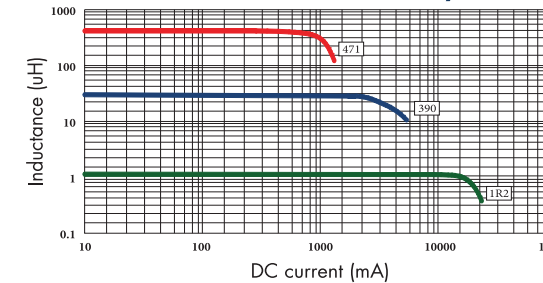
1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

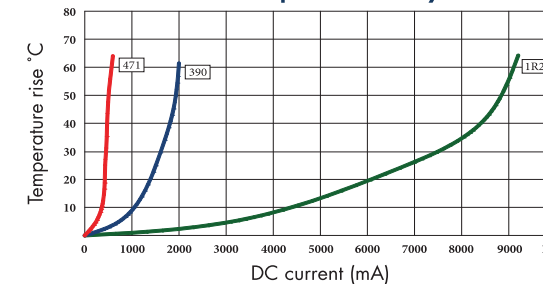
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWIRH105 Inductance decrease by current



OWIRH105 Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWIRH105 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>
OWIRH105-1R2	1.2	100KHZ	17m	9.0	7.00
OWIRH105-2R5	2.5	100KHZ	20m	7.5	5.90
OWIRH105-3R3	3.3	100KHZ	25m	7.2	4.70
OWIRH105-4R7	4.7	100KHZ	27m	7.0	4.21
OWIRH105-5R6	5.6	100KHZ	45m	6.5	3.59
OWIRH105-6R8	6.8	100KHZ	54m	6.0	3.23
OWIRH105-8R2	8.2	100KHZ	56m	5.4	2.90
OWIRH105-100	10	100KHZ	69m	4.8	2.75
OWIRH105-120	12	100KHZ	78m	4.2	2.61
OWIRH105-150	15	100KHZ	84m	3.7	2.32
OWIRH105-180	18	100KHZ	100m	3.4	2.22
OWIRH105-220	22	100KHZ	125m	2.8	2.10
OWIRH105-270	27	100KHZ	156m	2.6	1.90
OWIRH105-330	33	100KHZ	180m	2.4	1.80
OWIRH105-390	39	100KHZ	220m	2.3	1.53
OWIRH105-470	47	100KHZ	240m	2.1	1.37
OWIRH105-560	56	100KHZ	270m	1.82	1.23
OWIRH105-680	68	100KHZ	320m	1.65	1.16
OWIRH105-820	82	100KHZ	380m	1.50	1.10
OWIRH105-101	100	100KHZ	470m	1.40	1.04
OWIRH105-121	120	100KHZ	560m	1.23	0.98
OWIRH105-151	150	100KHZ	780m	1.15	0.88
OWIRH105-181	180	100KHZ	1.05	1.00	0.70
OWIRH105-221	220	100KHZ	1.32	0.80	0.63
OWIRH105-271	270	100KHZ	1.50	0.70	0.60
OWIRH105-331	330	100KHZ	1.92	0.62	0.57
OWIRH105-391	390	100KHZ	2.20	0.58	0.50
OWIRH105-471	470	100KHZ	2.60	0.55	0.45

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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.