



### OWIRH104 TYPE

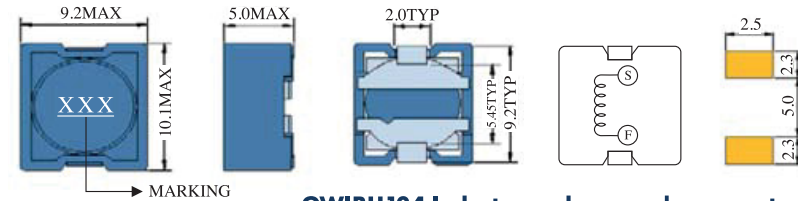


#### FEATURES

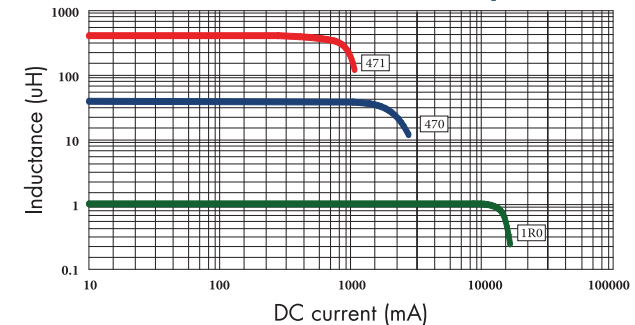
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

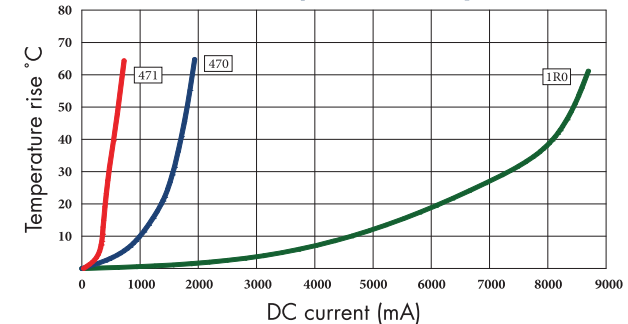
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH104 Inductance decrease by current



OWIRH104 Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWIRH104 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>
OWIRH104-1R0	1.0	100KHZ	14m	8.50	7.00
OWIRH104-1R5	1.5	100KHZ	17m	8.00	5.80
OWIRH104-2R2	2.2	100KHZ	24m	7.50	5.20
OWIRH104-3R3	3.3	100KHZ	29m	7.00	4.68
OWIRH104-4R7	4.7	100KHZ	32m	6.00	4.22
OWIRH104-6R8	6.8	100KHZ	44m	5.00	3.60
OWIRH104-100	10	100KHZ	50m	2.40	3.40
OWIRH104-120	12	100KHZ	54m	2.25	3.00
OWIRH104-150	15	100KHZ	69m	2.00	2.70
OWIRH104-180	18	100KHZ	84m	1.80	2.40
OWIRH104-220	22	100KHZ	94m	1.65	2.16
OWIRH104-270	27	100KHZ	0.11	1.45	1.95
OWIRH104-330	33	100KHZ	0.15	1.35	1.76
OWIRH104-390	39	100KHZ	0.17	1.20	1.59
OWIRH104-470	47	100KHZ	0.21	1.10	1.52
OWIRH104-560	56	100KHZ	0.23	1.00	1.40
OWIRH104-680	68	100KHZ	0.29	0.93	1.17
OWIRH104-820	82	100KHZ	0.36	0.84	1.06
OWIRH104-101	100	100KHZ	0.41	0.76	0.96
OWIRH104-121	120	100KHZ	0.45	0.70	0.87
OWIRH104-151	150	100KHZ	0.64	0.63	0.79
OWIRH104-181	180	100KHZ	0.84	0.57	0.72
OWIRH104-221	220	100KHZ	0.86	0.52	0.65
OWIRH104-271	270	100KHZ	1.07	0.47	0.59
OWIRH104-331	330	100KHZ	1.37	0.43	0.54
OWIRH104-391	390	100KHZ	1.55	0.39	0.49
OWIRH104-471	470	100KHZ	1.74	0.36	0.44

- 1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~6.8uH: ±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.