



### OWIRH129 TYPE

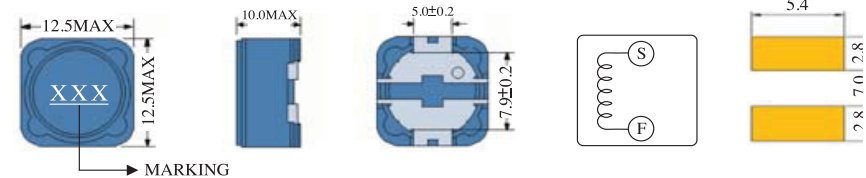


#### FEATURES

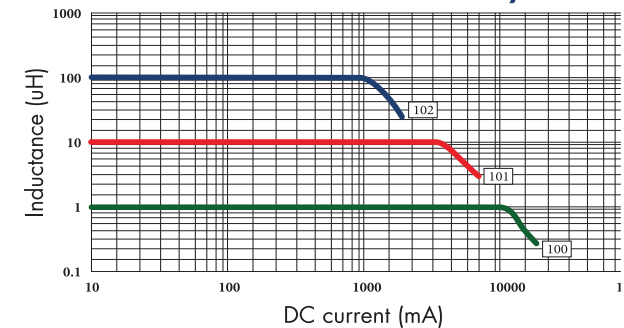
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

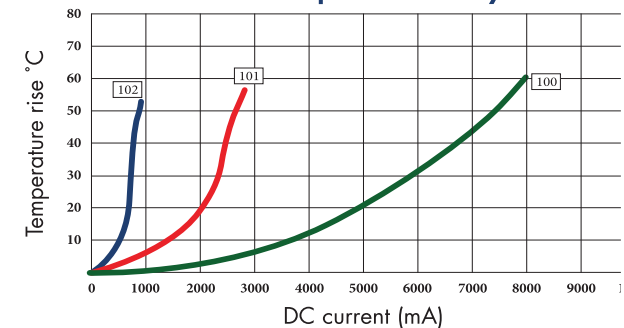
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH129 Inductance decrease by current



OWIRH129 Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWIRH129 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>
OWIRH129-100	10	1KHZ	21m	8.5	6.00
OWIRH129-120	12	1KHZ	22m	8.0	5.40
OWIRH129-150	15	1KHZ	27m	7.5	5.00
OWIRH129-180	18	1KHZ	31.5m	6.8	4.61
OWIRH129-220	22	1KHZ	39m	6.5	4.38
OWIRH129-270	27	1KHZ	49.5m	5.0	4.16
OWIRH129-330	33	1KHZ	63m	4.8	3.80
OWIRH129-390	39	1KHZ	70m	4.5	3.61
OWIRH129-470	47	1KHZ	80m	4.0	3.42
OWIRH129-560	56	1KHZ	90m	3.8	3.00
OWIRH129-680	68	1KHZ	100m	3.2	2.70
OWIRH129-820	82	1KHZ	127m	3.0	2.43
OWIRH129-101	100	1KHZ	156m	2.5	2.30
OWIRH129-121	120	1KHZ	183m	2.2	2.20
OWIRH129-151	150	1KHZ	223m	2.0	2.10
OWIRH129-181	180	1KHZ	274m	1.9	1.80
OWIRH129-221	220	1KHZ	361m	1.8	1.53
OWIRH129-271	270	1KHZ	418m	1.5	1.40
OWIRH129-331	330	1KHZ	495m	1.3	1.30
OWIRH129-391	390	1KHZ	556m	1.2	1.23
OWIRH129-471	470	1KHZ	742m	1.1	1.10
OWIRH129-561	560	1KHZ	872m	1.0	1.00
OWIRH129-681	680	1KHZ	1.11	0.9	0.85
OWIRH129-821	820	1KHZ	1.22	0.8	0.76
OWIRH129-102	1000	1KHZ	1.34	0.7	0.72

- 1. Inductance tested at 0.25V. Tolerance of inductance: ±20%!
- 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. curre
- 4. To load current onto the components under normal ambienc 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.