



### OWIRH127B TYPE

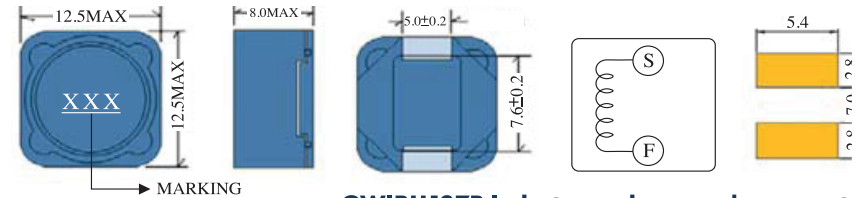


#### FEATURES

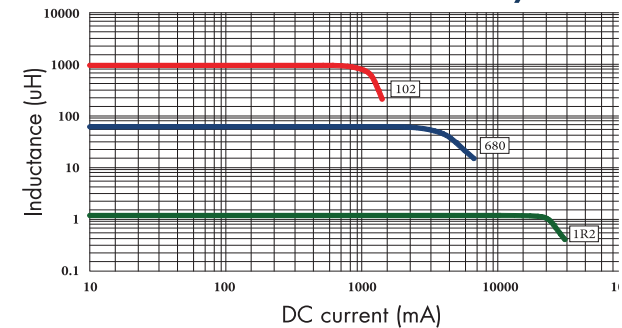
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

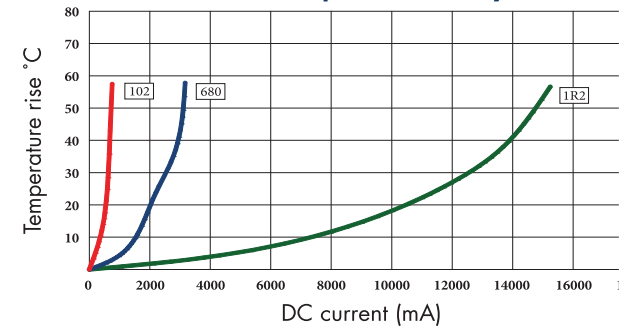
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



**OWIRH127B Inductance decrease by current**



**OWIRH127B Temperature rise by current**



### ELECTRICAL CHARACTERISTICS FOR OWIRH127B 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>
OWIRH127B-1R2	1.2	100KHZ	7.0m	9.80	12.0
OWIRH127B-2R4	2.4	100KHZ	11.5m	8.00	10.8
OWIRH127B-3R5	3.5	100KHZ	13.5m	7.50	9.20
OWIRH127B-4R7	4.7	100KHZ	15.8m	6.80	7.80
OWIRH127B-6R1	6.1	100KHZ	17.6m	6.60	5.80
OWIRH127B-7R6	7.6	100KHZ	20.0m	5.90	6.30
OWIRH127B-100	10	100KHZ	21.6m	5.40	5.67
OWIRH127B-120	12	100KHZ	24.3m	4.90	5.10
OWIRH127B-150	15	100KHZ	27.0m	4.50	4.85
OWIRH127B-180	18	100KHZ	39.2m	3.90	4.36
OWIRH127B-220	22	100KHZ	43.2m	3.60	4.00
OWIRH127B-270	27	100KHZ	45.9m	3.40	3.60
OWIRH127B-330	33	100KHZ	64.8m	3.00	3.24
OWIRH127B-390	39	100KHZ	72.9m	2.75	2.91
OWIRH127B-470	47	100KHZ	0.10	2.50	2.62
OWIRH127B-560	56	100KHZ	0.11	2.35	2.35
OWIRH127B-680	68	100KHZ	0.14	2.10	2.23
OWIRH127B-820	82	100KHZ	0.16	1.95	2.00
OWIRH127B-101	100	100KHZ	0.22	1.70	1.80
OWIRH127B-121	120	100KHZ	0.25	1.60	1.70
OWIRH127B-151	150	100KHZ	0.28	1.42	1.60
OWIRH127B-181	180	100KHZ	0.35	1.30	1.52
OWIRH127B-221	220	100KHZ	0.39	1.16	1.44
OWIRH127B-271	270	100KHZ	0.56	1.06	1.36
OWIRH127B-331	330	100KHZ	0.64	0.95	1.22
OWIRH127B-391	390	100KHZ	0.70	0.88	1.03
OWIRH127B-471	470	100KHZ	0.98	0.79	0.92
OWIRH127B-561	560	100KHZ	1.07	0.73	0.83
OWIRH127B-681	680	100KHZ	1.46	0.67	0.75
OWIRH127B-821	820	100KHZ	1.64	0.60	0.68
OWIRH127B-102	1000	100KHZ	1.82	0.55	0.61

- 1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~7.6uH: ±30%(N) 10uH~1mH: ±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. curren
- 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.