



## OWIR125B TYPE

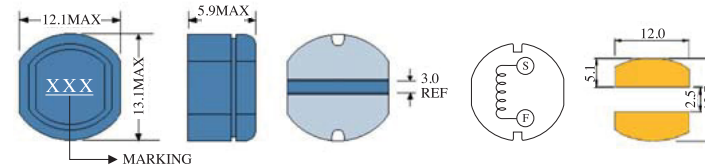


### FEATURES

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

### APPLICATIONS

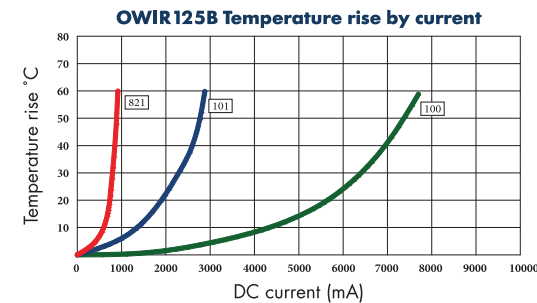
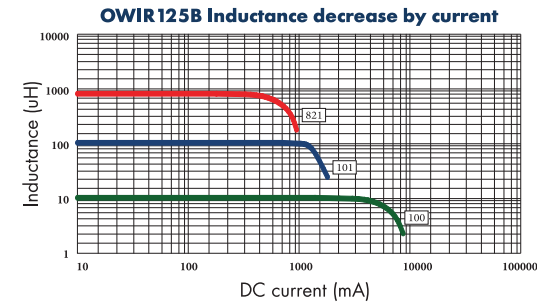
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



## ELECTRICAL CHARACTERISTICS FOR OWIR125B 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>
OWIR125B-100	10	2.52KHZ	0.05	2.65	6.00
OWIR125B-120	12	2.52KHZ	0.05	2.50	5.40
OWIR125B-150	15	2.52KHZ	0.06	2.45	5.10
OWIR125B-180	18	2.52KHZ	0.06	2.40	4.80
OWIR125B-220	22	2.52KHZ	0.07	2.20	4.32
OWIR125B-270	27	2.52KHZ	0.08	2.00	3.88
OWIR125B-330	33	2.52KHZ	0.10	1.80	3.49
OWIR125B-390	39	2.52KHZ	0.11	1.62	3.14
OWIR125B-470	47	2.52KHZ	0.12	1.50	2.82
OWIR125B-560	56	2.52KHZ	0.15	1.38	2.67
OWIR125B-680	68	2.52KHZ	0.17	1.26	2.53
OWIR125B-820	82	2.52KHZ	0.20	1.14	2.40
OWIR125B-101	100	1KHZ	0.25	1.05	2.28
OWIR125B-121	120	1KHZ	0.28	0.95	2.17
OWIR125B-151	150	1KHZ	0.40	0.85	2.05
OWIR125B-181	180	1KHZ	0.48	0.77	1.95
OWIR125B-221	220	1KHZ	0.52	0.70	1.75
OWIR125B-271	270	1KHZ	0.70	0.63	1.57
OWIR125B-331	330	1KHZ	0.80	0.57	1.33
OWIR125B-391	390	1KHZ	1.08	0.52	1.13
OWIR125B-471	470	1KHZ	1.20	0.48	1.01
OWIR125B-561	560	1KHZ	1.34	0.44	0.91
OWIR125B-681	680	1KHZ	1.78	0.40	0.81
OWIR125B-821	820	1KHZ	2.00	0.36	0.74

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1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
2. DCR test temp. limits 25 °C.
3. This indicates the value of current when the inductance is 75% more than its nominal value (at 10uH~18uH) or it is 80% more than its nominal value (at 22uH~820uH) and temperature rising Δt=40 °C lower at D.C superposition.
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.