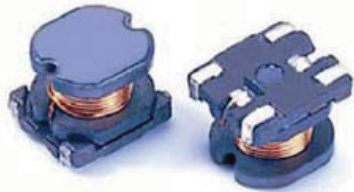




### OWI43B TYPE

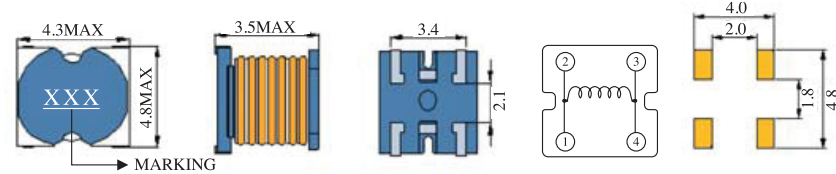


#### FEATURES

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

#### APPLICATIONS

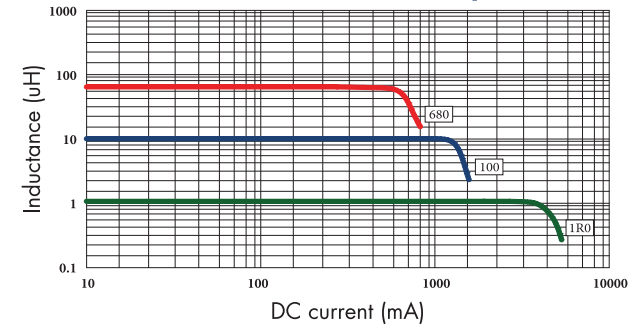
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



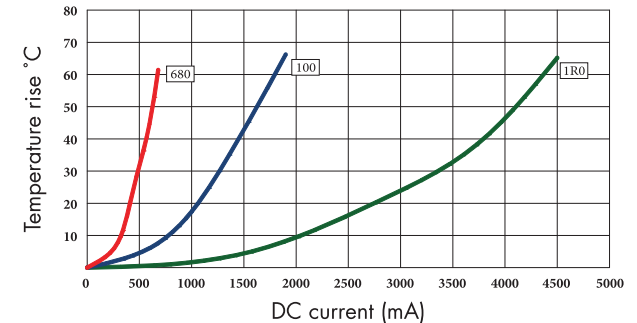
### ELECTRICAL CHARACTERISTICS FOR OWI43B SERIES

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>
OWI43B-1R0	1.0	7.96MHZ	48m	2.56	3.10
OWI43B-1R4	1.4	7.96MHZ	56m	2.20	3.00
OWI43B-1R8	1.8	7.96MHZ	63m	2.00	2.80
OWI43B-2R2	2.2	7.96MHZ	71m	1.75	2.70
OWI43B-2R7	2.7	7.96MHZ	78m	1.58	2.60
OWI43B-3R3	3.3	7.96MHZ	86m	1.44	2.30
OWI43B-3R9	3.9	7.96MHZ	93m	1.33	2.00
OWI43B-4R7	4.7	7.96MHZ	108m	1.22	1.80
OWI43B-5R6	5.6	7.96MHZ	125m	1.15	1.60
OWI43B-6R8	6.8	7.96MHZ	131m	1.00	1.55
OWI43B-8R2	8.2	7.96MHZ	146m	0.92	1.45
OWI43B-100	10	2.52MHZ	182m	0.84	1.30
OWI43B-120	12	2.52MHZ	210m	0.77	1.23
OWI43B-150	15	2.52MHZ	235m	0.69	1.13
OWI43B-180	18	2.52MHZ	338m	0.65	1.00
OWI43B-220	22	2.52MHZ	378m	0.58	0.92
OWI43B-270	27	2.52MHZ	522m	0.52	0.83
OWI43B-330	33	2.52MHZ	540m	0.48	0.74
OWI43B-390	39	2.52MHZ	587m	0.42	0.66
OWI43B-470	47	2.52MHZ	844m	0.39	0.57
OWI43B-560	56	2.52MHZ	937m	0.35	0.50
OWI43B-680	68	2.52MHZ	1.117	0.33	0.45

#### OWI43B Inductance decrease by current



#### OWI43B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH: ±30%(N) 1.4uH~68uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% 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.