



### OWI62LCB TYPE

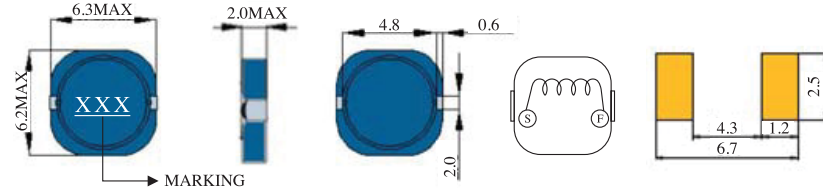


#### FEATURES

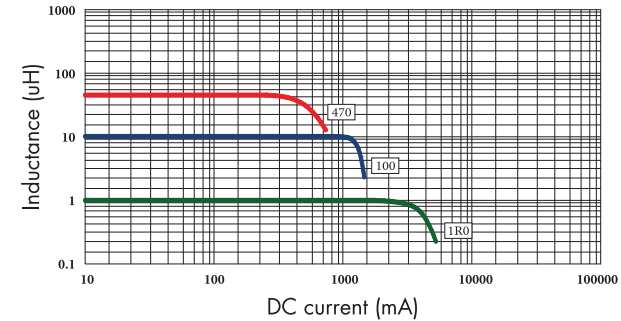
- 1. LOW Profile (2.0mm max. height) and 6.3mm square. Magnetically shielded and low DC resistance. Suitable for large currents. Available on tape and reel for auto-insertion. Ideal for a variety of DC-DC converter inductor applications.

#### APPLICATIONS

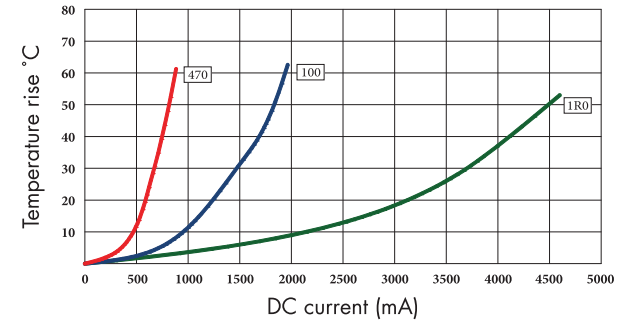
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



#### OWI62LCB Inductance decrease by current



#### OWI62LCB Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWI62LCB 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>
OWI62LCB-1R0	1.0	100KHZ	20m	3.50	3.70
OWI62LCB-1R5	1.5	100KHZ	24m	2.94	3.33
OWI62LCB-2R0	2.0	100KHZ	30m	2.47	3.33
OWI62LCB-3R3	3.3	100KHZ	49m	1.99	2.84
OWI62LCB-4R7	4.7	100KHZ	69m	1.59	2.20
OWI62LCB-6R2	6.2	100KHZ	85m	1.49	1.85
OWI62LCB-8R2	8.2	100KHZ	106m	1.25	1.57
OWI62LCB-100	10	100KHZ	134m	1.22	1.41
OWI62LCB-120	12	100KHZ	160m	0.99	1.33
OWI62LCB-150	15	100KHZ	195m	0.94	1.24
OWI62LCB-180	18	100KHZ	230m	0.83	1.11
OWI62LCB-220	22	100KHZ	264m	0.80	0.99
OWI62LCB-270	27	100KHZ	344m	0.65	0.89
OWI62LCB-330	33	100KHZ	460m	0.63	0.80
OWI62LCB-390	39	100KHZ	585m	0.55	0.72
OWI62LCB-470	47	100KHZ	650m	0.50	0.68

- 1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~8.2uH: ±30%(N) 10uH~47uH: ±20%(M)
- 2. DCR test temp. limits 25 °C.
- 3. This indicates the value of current when the inductance is 30% 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.