



### OWI32 TYPE

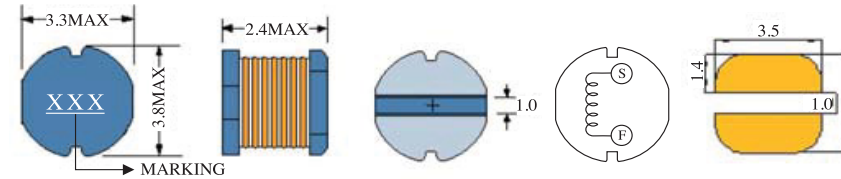


#### FEATURES

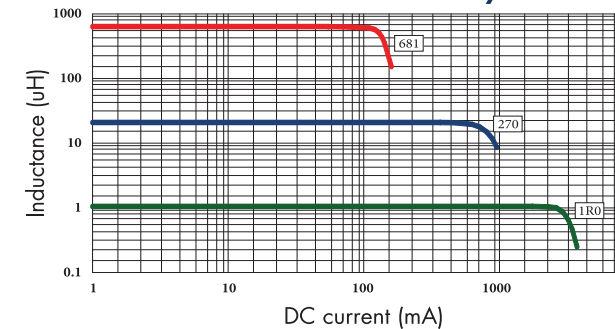
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

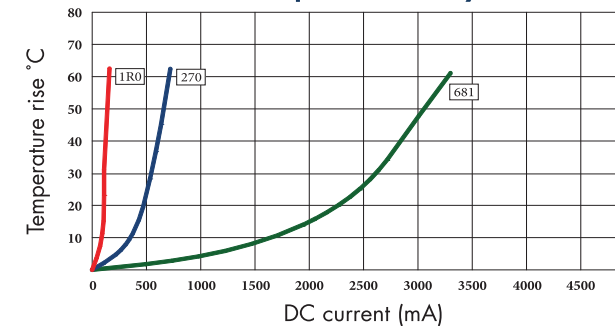
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



#### OWI32 Inductance decrease by current



#### OWI32 Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWI32 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>
OWI32-1R0	1.0	7.96MHZ	43m	2.34	2.60
OWI32-1R4	1.4	7.96MHZ	50m	2.04	2.30
OWI32-1R8	1.8	7.96MHZ	68m	1.79	1.90
OWI32-2R2	2.2	7.96MHZ	84m	1.60	1.70
OWI32-2R7	2.7	7.96MHZ	97m	1.50	1.60
OWI32-3R3	3.3	7.96MHZ	104m	1.30	1.55
OWI32-3R9	3.9	7.96MHZ	145m	1.22	1.38
OWI32-4R7	4.7	7.96MHZ	156m	1.05	1.30
OWI32-5R6	5.6	7.96MHZ	194m	0.98	1.15
OWI32-6R8	6.8	7.96MHZ	232m	0.87	1.02
OWI32-8R2	8.2	7.96MHZ	285m	0.77	0.90
OWI32-100	10	2.52MHZ	373m	0.71	0.80
OWI32-120	12	2.52MHZ	397m	0.65	0.72
OWI32-150	15	2.52MHZ	547m	0.57	0.66
OWI32-180	18	2.52MHZ	592m	0.52	0.64
OWI32-220	22	2.52MHZ	720m	0.47	0.60
OWI32-270	27	2.52MHZ	889m	0.44	0.52
OWI32-330	33	2.52MHZ	961m	0.39	0.47
OWI32-390	39	2.52MHZ	1.20	0.36	0.44
OWI32-470	47	2.52MHZ	1.47	0.33	0.40
OWI32-560	56	2.52MHZ	1.80	0.31	0.39
OWI32-680	68	2.52MHZ	2.30	0.28	0.33
OWI32-820	82	2.52MHZ	2.45	0.25	0.31
OWI32-101	100	1KHZ	3.20	0.22	0.29
OWI32-121	120	1KHZ	4.10	0.20	0.25
OWI32-151	150	1KHZ	4.78	0.17	0.23
OWI32-181	180	1KHZ	7.65	0.15	0.20
OWI32-221	220	1KHZ	9.20	0.13	0.17
OWI32-271	270	1KHZ	9.90	0.11	0.15
OWI32-331	330	1KHZ	11.2	0.09	0.14
OWI32-391	390	1KHZ	12.7	0.09	0.13
OWI32-471	470	1KHZ	14.0	0.08	0.13
OWI32-561	560	1KHZ	19.8	0.07	0.12
OWI32-681	680	1KHZ	22.7	0.06	0.11

1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH: ±30%(N) 1.4uH~680uH: ±20%(M)
2. DCR test temp. limits 25 °C.
3. This indicates the value of current when the inductance is 1% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambient 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.