



OWI32 TYPE

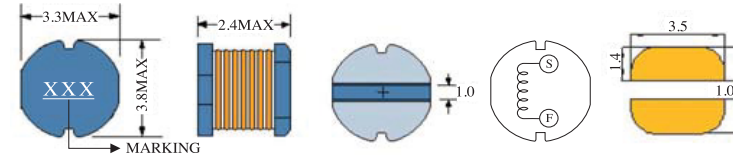


FEATURES

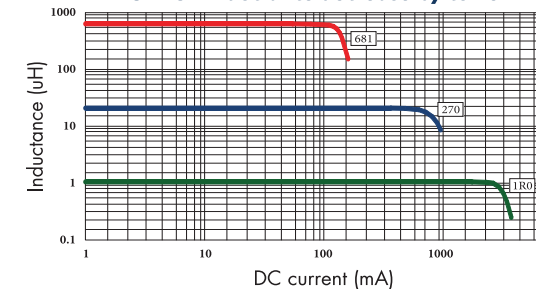
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

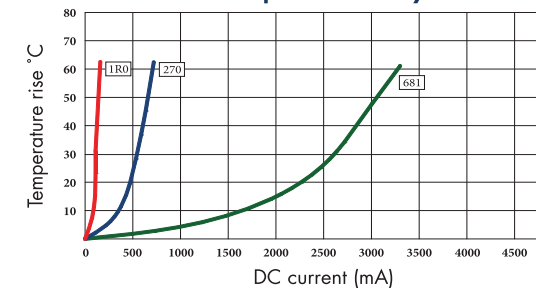
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI32 Inductance decrease by current



OWI32 Temperature rise by current



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.

ELECTRICAL CHARACTERISTICS FOR OWI32 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
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

www.owloff.com