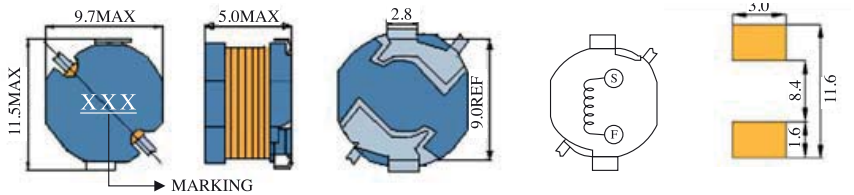
OWI10F TYPE

FEATURES

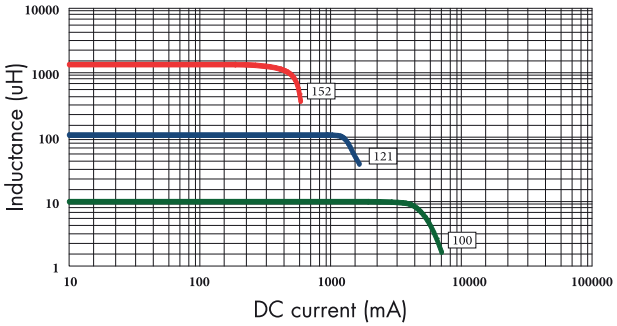
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

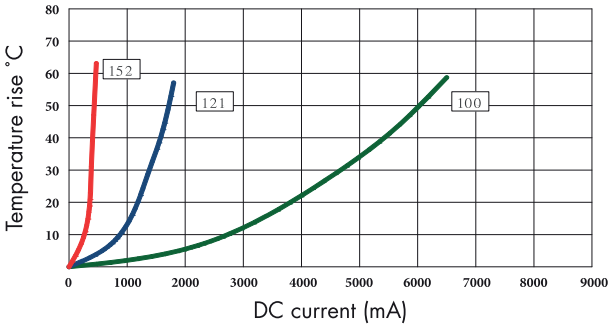
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI10F Inductance decrease by current



OWI10F Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI10F SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI10F-100	10	100KHZ	47m	2.60	4.50
OWI10F-120	12	100KHZ	50m	2.48	4.20
OWI10F-150	15	100KHZ	58m	2.27	3.80
OWI10F-180	18	100KHZ	67m	2.15	3.40
OWI10F-220	22	100KHZ	75m	2.00	3.00
OWI10F-270	27	100KHZ	87m	1.84	2.60
OWI10F-330	33	100KHZ	95m	1.72	2.40
OWI10F-390	39	100KHZ	0.12	1.58	2.20
OWI10F-470	47	100KHZ	0.15	1.44	2.00
OWI10F-560	56	100KHZ	0.18	1.28	1.88
OWI10F-680	68	100KHZ	0.20	1.20	1.80
OWI10F-820	82	100KHZ	0.23	1.09	1.68
OWI10F-101	100	100KHZ	0.27	1.05	1.60
OWI10F-121	120	100KHZ	0.33	0.92	1.40
OWI10F-151	150	100KHZ	0.40	0.80	1.20
OWI10F-181	180	100KHZ	0.53	0.73	1.02
OWI10F-221	220	100KHZ	0.60	0.69	0.92
OWI10F-271	270	100KHZ	0.84	0.60	0.84
OWI10F-331	330	100KHZ	1.00	0.53	0.78
OWI10F-391	390	100KHZ	1.09	0.49	0.72
OWI10F-471	470	100KHZ	1.25	0.46	0.64
OWI10F-561	560	100KHZ	1.63	0.41	0.58
OWI10F-681	680	100KHZ	1.90	0.38	0.54
OWI10F-821	820	100KHZ	2.44	0.34	0.50
OWI10F-102	1000	100KHZ	2.80	0.31	0.44
OWI10F-122	1200	100KHZ	3.67	0.27	0.40
OWI10F-152	1500	100KHZ	4.37	0.25	0.36

1. Inductance tested at 0.25V. Tolerance of inductance: 10uH~82uH: ±20%(M) 100uH~1500uH: ±10%(K)
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.