



OWI5022F TYPE

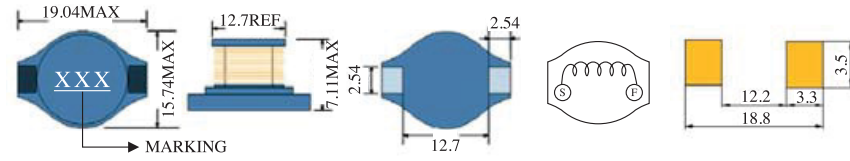


FEATURES

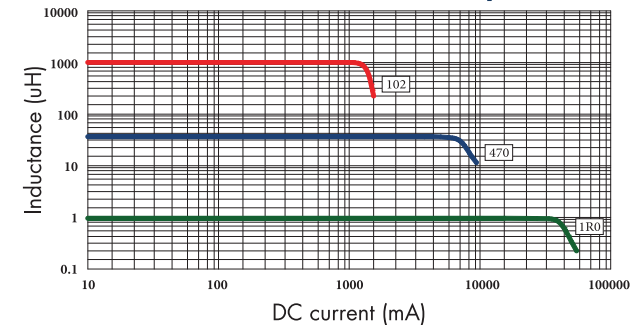
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

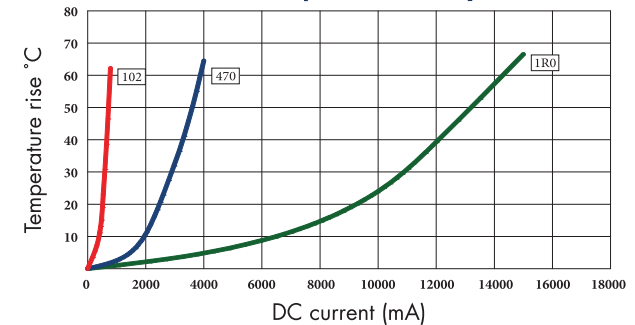
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI5022F Inductance decrease by current



OWI5022F Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI5022F SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI5022F-1R0	1.0	100KHZ	9m	20.0	10.5
OWI5022F-2R2	2.2	100KHZ	14m	16.0	9.00
OWI5022F-3R3	3.3	100KHZ	15m	14.0	8.00
OWI5022F-4R7	4.7	100KHZ	19m	13.0	7.10
OWI5022F-5R6	5.6	100KHZ	20m	12.0	6.30
OWI5022F-6R8	6.8	100KHZ	25m	11.5	5.60
OWI5022F-100	10	100KHZ	31m	10.0	5.20
OWI5022F-150	15	100KHZ	36m	8.0	4.50
OWI5022F-220	22	100KHZ	47m	7.0	3.90
OWI5022F-330	33	100KHZ	66m	5.5	3.30
OWI5022F-470	47	100KHZ	86m	4.5	2.80
OWI5022F-680	68	100KHZ	0.13	3.5	2.36
OWI5022F-101	100	100KHZ	0.19	3.0	1.95
OWI5022F-151	150	100KHZ	0.25	2.6	1.60
OWI5022F-221	220	100KHZ	0.38	2.4	1.20
OWI5022F-331	330	100KHZ	0.56	1.9	1.00
OWI5022F-471	470	100KHZ	0.85	1.4	0.80
OWI5022F-681	680	100KHZ	1.24	1.2	0.68
OWI5022F-102	1000	100KHZ	1.80	1.0	0.58

1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~3.3uH: ±30%(N) 4.7uH~1000uH: ±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.