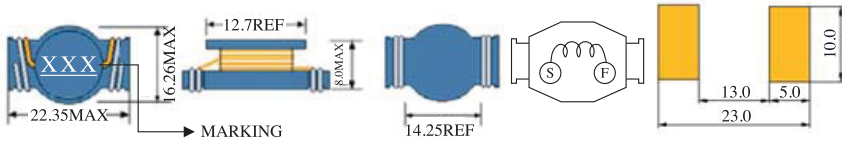
OWI5022FH TYPE

FEATURES

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

APPLICATIONS

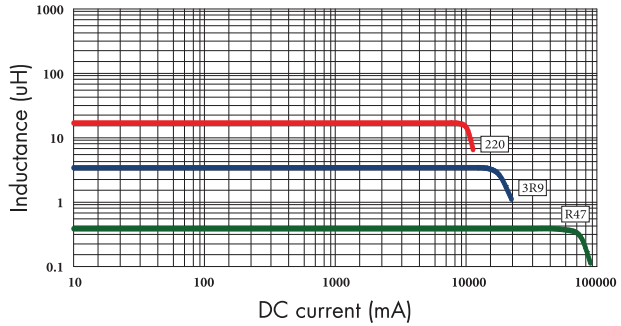
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



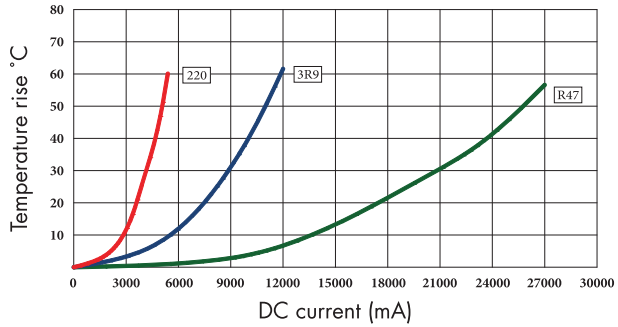
ELECTRICAL CHARACTERISTICS FOR OWI5022FH SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI5022FH-R47	0.47	100KHZ	2.0m	40	20.0
OWI5022FH-R82	0.82	100KHZ	2.6m	30	17.0
OWI5022FH-1R5	1.5	100KHZ	4.0m	25	14.2
OWI5022FH-2R2	2.2	100KHZ	6.1m	20	12.0
OWI5022FH-2R7	2.7	100KHZ	8.0m	18	10.0
OWI5022FH-3R3	3.3	100KHZ	9.0m	17	9.4
OWI5022FH-3R9	3.9	100KHZ	10m	15	9.0
OWI5022FH-4R7	4.7	100KHZ	14m	13	8.0
OWI5022FH-6R8	6.8	100KHZ	18m	12	6.5
OWI5022FH-100	10	100KHZ	26m	10	6.0
OWI5022FH-150	15	100KHZ	32m	8.0	4.8
OWI5022FH-220	22	100KHZ	50m	7.6	3.6

OWI5022FH Inductance decrease by current



OWI5022FH Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.47uH~4.7uH: ±30%(N) 6.8uH~220uH: ±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.