



OWI1813FH TYPE

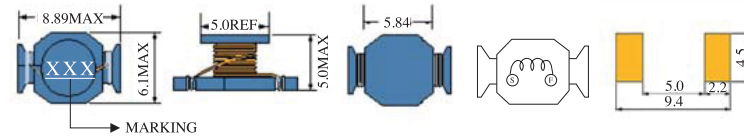


FEATURES

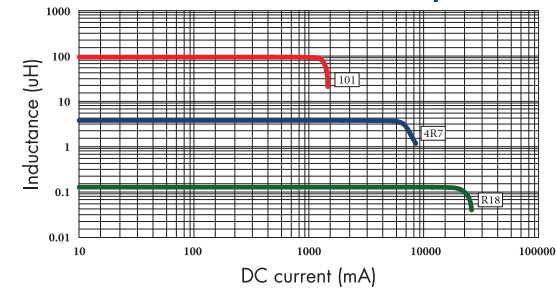
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

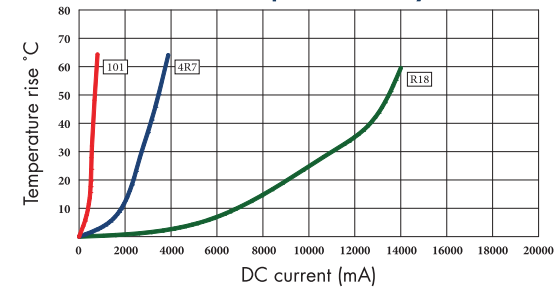
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI1813FH Inductance decrease by current



OWI1813FH Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI1813FH SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI1813FH-R18	0.18	100KHZ	4.5m	14.00	11.2
OWI1813FH-R33	0.33	100KHZ	5.2m	10.00	10.0
OWI1813FH-R47	0.47	100KHZ	9.5m	8.00	8.00
OWI1813FH-R56	0.56	100KHZ	10m	7.70	7.00
OWI1813FH-1R2	1.2	100KHZ	17m	5.30	4.50
OWI1813FH-1R6	1.6	100KHZ	25m	4.50	4.20
OWI1813FH-2R2	2.2	100KHZ	35m	3.50	3.80
OWI1813FH-3R3	3.3	100KHZ	43m	3.00	3.30
OWI1813FH-4R7	4.7	100KHZ	54m	2.60	2.70
OWI1813FH-6R8	6.8	100KHZ	80m	2.20	2.20
OWI1813FH-100	10	100KHZ	0.11	1.90	1.80
OWI1813FH-150	15	100KHZ	0.17	1.50	1.40
OWI1813FH-220	22	100KHZ	0.25	1.20	1.20
OWI1813FH-330	33	100KHZ	0.35	0.90	0.92
OWI1813FH-470	47	100KHZ	0.47	0.87	0.80
OWI1813FH-680	68	100KHZ	0.73	0.67	0.66
OWI1813FH-101	100	100KHZ	1.11	0.53	0.54

www.owolff.com

1. Inductance tested at 0.25V. Tolerance of inductance: 0.18uH~1.6uH: ±30%(N) 2.2uH~100uH: ±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.