



OWI1813FH TYPE

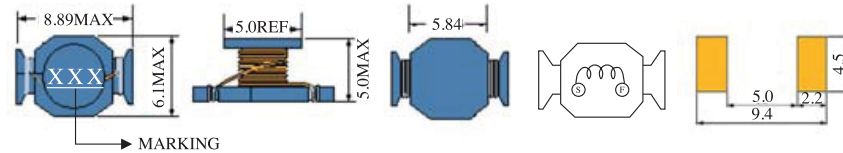


FEATURES

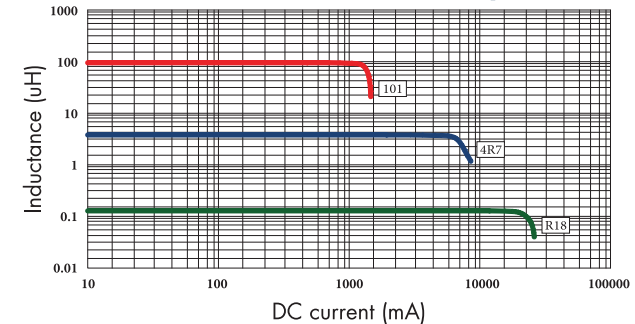
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

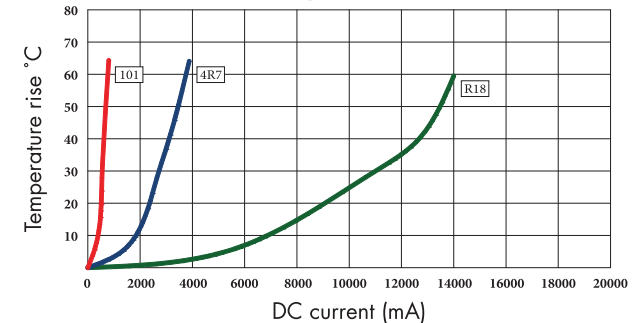
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



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

- 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.