



OWI414MF TYPE

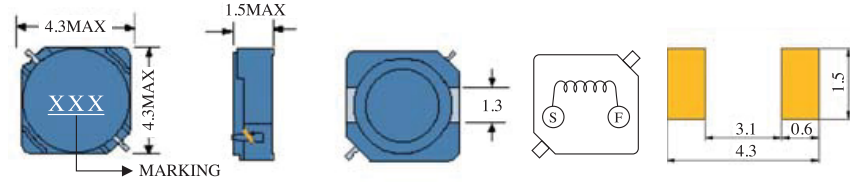


FEATURES

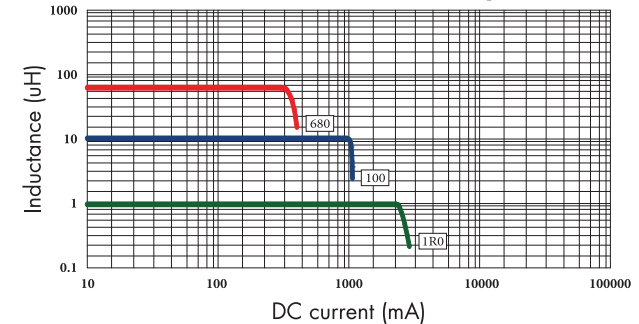
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

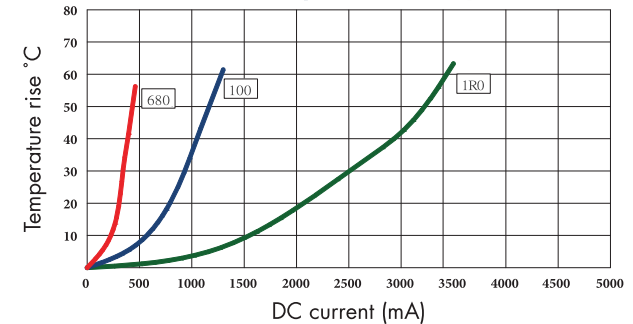
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI414MF Inductance decrease by current



OWI414MF Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI414MF SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI414MF-1R0	1.0	100KHZ	63m	2.80	2.65
OWI414MF-1R5	1.5	100KHZ	106m	2.30	2.10
OWI414MF-2R2	2.2	100KHZ	124m	1.90	1.78
OWI414MF-3R3	3.3	100KHZ	137m	1.40	1.55
OWI414MF-4R7	4.7	100KHZ	154m	1.20	1.40
OWI414MF-5R6	5.6	100KHZ	188m	1.10	1.30
OWI414MF-6R8	6.8	100KHZ	220m	1.00	1.20
OWI414MF-8R6	8.6	100KHZ	258m	0.95	1.00
OWI414MF-100	10	100KHZ	307m	0.90	0.90
OWI414MF-120	12	100KHZ	367m	0.81	0.82
OWI414MF-150	15	100KHZ	425m	0.72	0.74
OWI414MF-180	18	100KHZ	497m	0.65	0.68
OWI414MF-220	22	100KHZ	569m	0.60	0.66
OWI414MF-270	27	100KHZ	792m	0.48	0.62
OWI414MF-330	33	100KHZ	905m	0.44	0.52
OWI414MF-390	39	100KHZ	1.19	0.43	0.44
OWI414MF-470	47	100KHZ	1.32	0.41	0.40
OWI414MF-560	56	100KHZ	1.48	0.38	0.38
OWI414MF-680	68	100KHZ	1.85	0.36	0.35

1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH: ±30%(N) 1.5uH~68uH: ±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.