



## OWI414MF TYPE

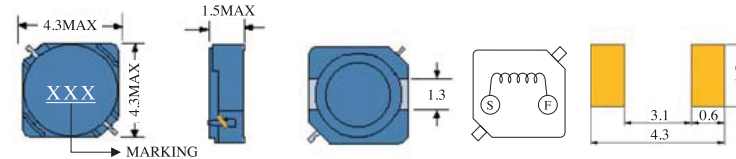


### FEATURES

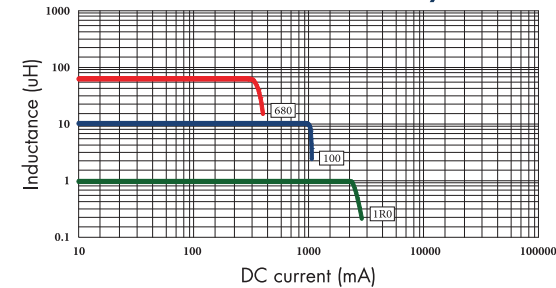
1. Various high power inductors are superior to be high saturation for surface mounting.

### APPLICATIONS

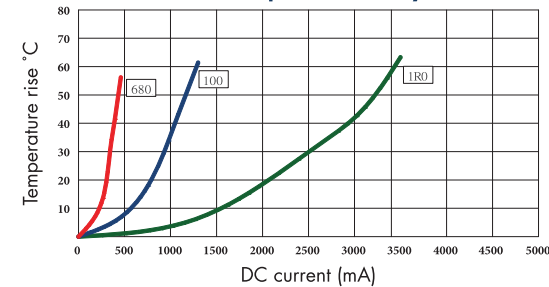
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI414MF Inductance decrease by current



OWI414MF Temperature rise by current



## ELECTRICAL CHARACTERISTICS FOR OWI414MF SERIES

Part Number	Inductance (uH) <sup>(1)</sup>	Test Frequency	DC Resistance (Ω MAX) <sup>(2)</sup>	Saturation Current (A) <sup>(3)</sup>	Temperature Current (A) <sup>(4)</sup>
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

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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.