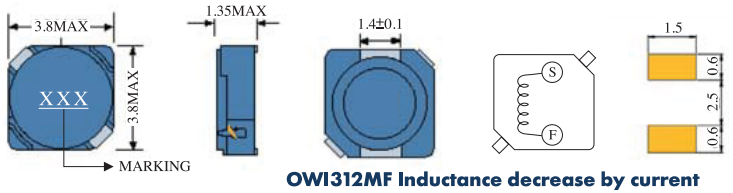
OWI312MF TYPE

FEATURES

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

APPLICATIONS

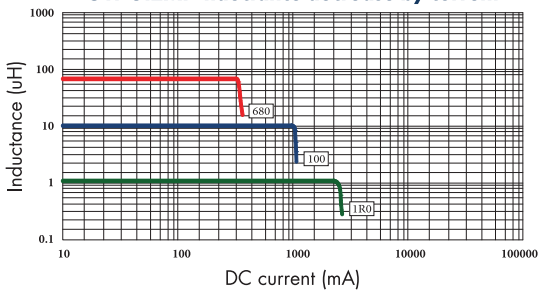
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



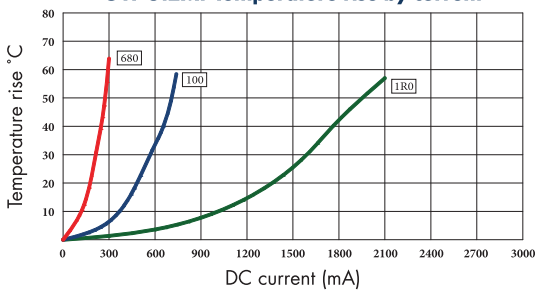
ELECTRICAL CHARACTERISTICS FOR OWI312MF SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI312MF-1R0	1.0	100KHZ	87m	3.00	1.60
OWI312MF-1R5	1.5	100KHZ	104m	2.50	1.50
OWI312MF-2R2	2.2	100KHZ	157m	2.00	1.20
OWI312MF-3R3	3.3	100KHZ	210m	1.80	0.98
OWI312MF-4R7	4.7	100KHZ	318m	1.48	0.84
OWI312MF-5R6	5.6	100KHZ	388m	1.22	0.78
OWI312MF-6R8	6.8	100KHZ	430m	1.10	0.70
OWI312MF-100	10	100KHZ	673m	0.97	0.58
OWI312MF-120	12	100KHZ	792m	0.85	0.50
OWI312MF-150	15	100KHZ	900m	0.79	0.48
OWI312MF-180	18	100KHZ	1.16	0.68	0.44
OWI312MF-220	22	100KHZ	1.40	0.64	0.40
OWI312MF-270	27	100KHZ	1.65	0.60	0.38
OWI312MF-330	33	100KHZ	2.40	0.57	0.33
OWI312MF-390	39	100KHZ	2.85	0.50	0.27
OWI312MF-470	47	100KHZ	3.00	0.44	0.25
OWI312MF-560	56	100KHZ	3.60	0.42	0.23
OWI312MF-680	68	100KHZ	4.10	0.40	0.21

OWI312MF Inductance decrease by current



OWI312MF Temperature rise by current



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.

www.owolff.com