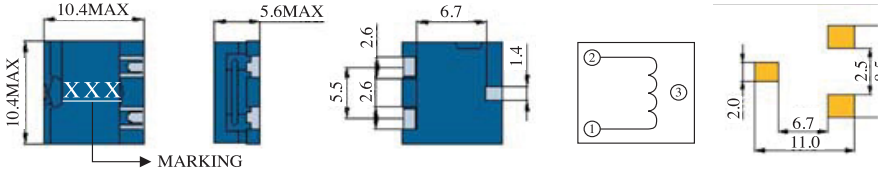
OWIEP105H TYPE

FEATURES

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

APPLICATIONS

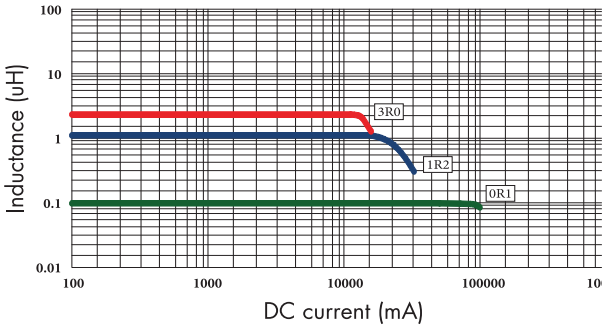
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



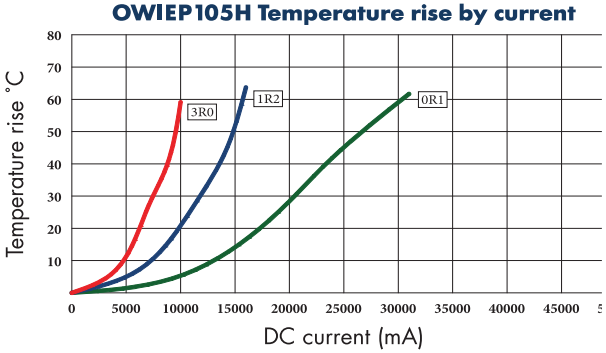
ELECTRICAL CHARACTERISTICS FOR OWIEP105H SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIEP105H-R15	0.15	100KHZ	2.6m	55.0	20.0
OWIEP105H-R30	0.3	100KHZ	3.2m	40.0	18.8
OWIEP105H-R50	0.5	100KHZ	4.1m	30.4	15.0
OWIEP105H-R80	0.8	100KHZ	5.3m	25.2	13.5
OWIEP105H-1R2	1.2	100KHZ	8.0m	21.0	11.0
OWIEP105H-1R5	1.5	100KHZ	10.5m	18.0	8.5
OWIEP105H-2R0	2.0	100KHZ	12.4m	15.8	8.0
OWIEP105H-2R5	2.5	100KHZ	18.0m	14.0	7.8
OWIEP105H-3R0	3.0	100KHZ	23.8m	12.6	7.2

OWIEP105H Inductance decrease by current



OWIEP105H Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.15uH~0.3uH: ±30%(N) 0.5uH~3.0uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. curren
4. To load current onto the components under normal ambienc 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.