OLE WOLFF

SMD POWER INDUCTORS

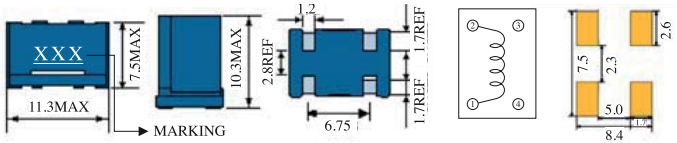
OWIEPI1010 TYPE

FEATURES

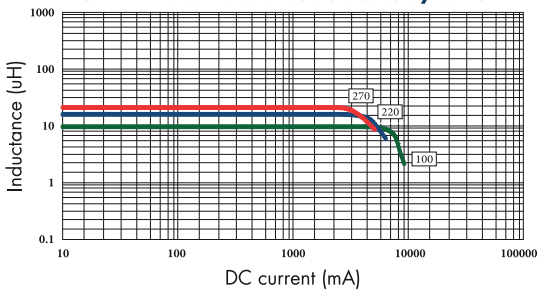
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

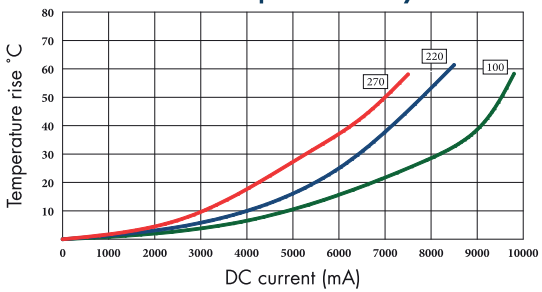
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWIEPI1010 Inductance decrease by current



OWIEPI1010 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIEPI1010 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIEPI1010-100	10	100KHZ	13.5m	4.9	7.80
OWIEPI1010-220	22	100KHZ	25.0m	3.3	6.00
OWIEPI1010-270	27	100KHZ	28.0m	3.0	5.20

1. Inductance tested at 0.25V. Tolerance of inductance:±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. 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.

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