



OWIRH105R TYPE

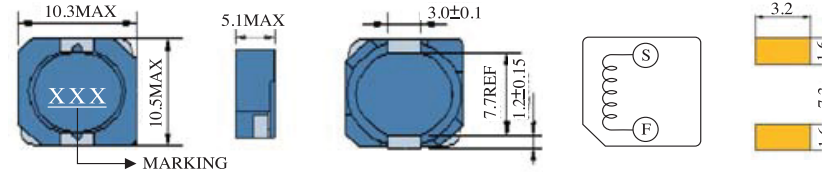


FEATURES

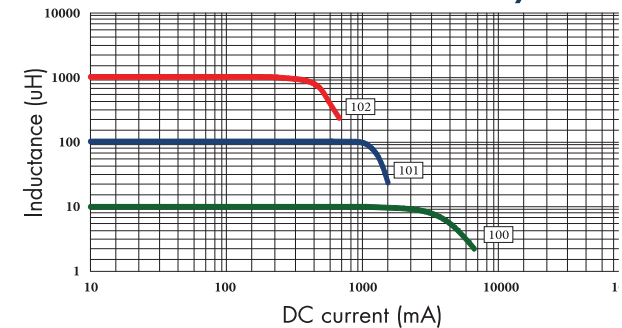
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

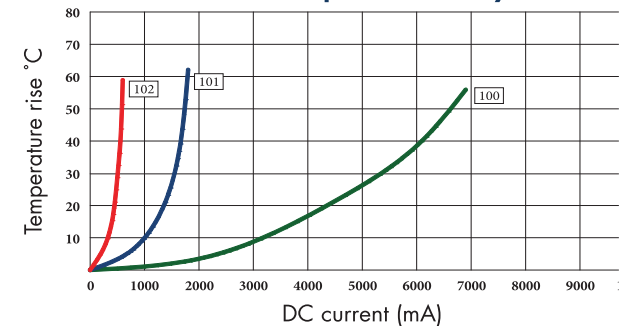
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH105R Inductance decrease by current



OWIRH105R Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH105R SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIRH105R-100	10	100KHZ	26m	3.45	4.50
OWIRH105R-120	12	100KHZ	33m	3.40	4.27
OWIRH105R-150	15	100KHZ	41m	2.83	4.00
OWIRH105R-180	18	100KHZ	46m	2.62	3.80
OWIRH105R-220	22	100KHZ	61m	2.44	3.40
OWIRH105R-270	27	100KHZ	69m	2.24	3.00
OWIRH105R-330	33	100KHZ	84m	1.88	2.70
OWIRH105R-390	39	100KHZ	106m	1.70	2.43
OWIRH105R-470	47	100KHZ	130m	1.56	2.10
OWIRH105R-560	56	100KHZ	149m	1.39	1.90
OWIRH105R-680	68	100KHZ	201m	1.36	1.65
OWIRH105R-820	82	100KHZ	227m	1.20	1.50
OWIRH105R-101	100	100KHZ	253m	1.09	1.42
OWIRH105R-121	120	100KHZ	303m	1.00	1.34
OWIRH105R-151	150	100KHZ	370m	0.91	1.27
OWIRH105R-181	180	100KHZ	419m	0.84	1.20
OWIRH105R-221	220	100KHZ	500m	0.75	1.08
OWIRH105R-271	270	100KHZ	672m	0.68	0.97
OWIRH105R-331	330	100KHZ	812m	0.60	0.87
OWIRH105R-391	390	100KHZ	953m	0.57	0.78
OWIRH105R-471	470	100KHZ	1.28	0.50	0.70
OWIRH105R-561	560	100KHZ	1.43	0.47	0.63
OWIRH105R-681	680	100KHZ	1.60	0.43	0.56
OWIRH105R-821	820	100KHZ	1.75	0.39	0.50
OWIRH105R-102	1000	100KHZ	1.99	0.35	0.45

- 1. Inductance tested at 0.25V. Tolerance of inductance:±30%(1)
- 2. DCR test temp. limits 25 °C.
- 3. This indicates the value of current when the inductance is 35% 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.