



OWIRH127B TYPE

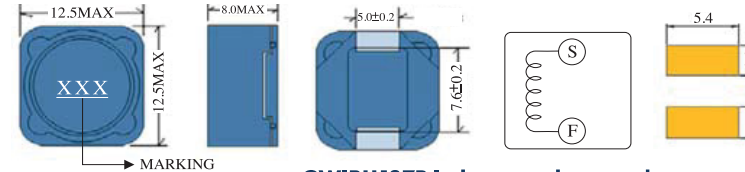


FEATURES

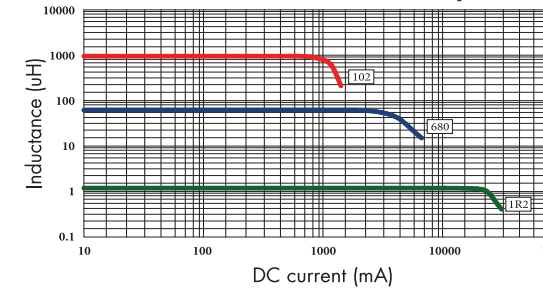
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

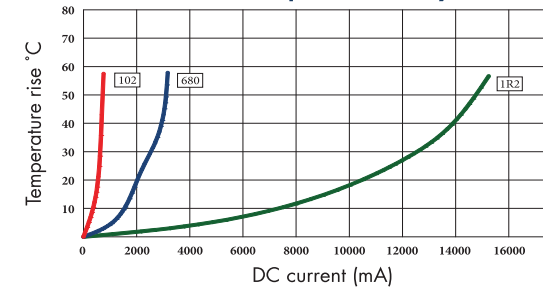
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWIRH127B Inductance decrease by current



OWIRH127B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:
1.2uH~7.6uH: ±30%(N) 10uH~1mH: ±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 ambient 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.

ELECTRICAL CHARACTERISTICS FOR OWIRH127B SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIRH127B-1R2	1.2	100KHZ	7.0m	9.80	12.0
OWIRH127B-2R4	2.4	100KHZ	11.5m	8.00	10.8
OWIRH127B-3R5	3.5	100KHZ	13.5m	7.50	9.20
OWIRH127B-4R7	4.7	100KHZ	15.8m	6.80	7.80
OWIRH127B-6R1	6.1	100KHZ	17.6m	6.60	5.80
OWIRH127B-7R6	7.6	100KHZ	20.0m	5.90	6.30
OWIRH127B-100	10	100KHZ	21.6m	5.40	5.67
OWIRH127B-120	12	100KHZ	24.3m	4.90	5.10
OWIRH127B-150	15	100KHZ	27.0m	4.50	4.85
OWIRH127B-180	18	100KHZ	39.2m	3.90	4.36
OWIRH127B-220	22	100KHZ	43.2m	3.60	4.00
OWIRH127B-270	27	100KHZ	45.9m	3.40	3.60
OWIRH127B-330	33	100KHZ	64.8m	3.00	3.24
OWIRH127B-390	39	100KHZ	72.9m	2.75	2.91
OWIRH127B-470	47	100KHZ	0.10	2.50	2.62
OWIRH127B-560	56	100KHZ	0.11	2.35	2.35
OWIRH127B-680	68	100KHZ	0.14	2.10	2.23
OWIRH127B-820	82	100KHZ	0.16	1.95	2.00
OWIRH127B-101	100	100KHZ	0.22	1.70	1.80
OWIRH127B-121	120	100KHZ	0.25	1.60	1.70
OWIRH127B-151	150	100KHZ	0.28	1.42	1.60
OWIRH127B-181	180	100KHZ	0.35	1.30	1.52
OWIRH127B-221	220	100KHZ	0.39	1.16	1.44
OWIRH127B-271	270	100KHZ	0.56	1.06	1.36
OWIRH127B-331	330	100KHZ	0.64	0.95	1.22
OWIRH127B-391	390	100KHZ	0.70	0.88	1.03
OWIRH127B-471	470	100KHZ	0.98	0.79	0.92
OWIRH127B-561	560	100KHZ	1.07	0.73	0.83
OWIRH127B-681	680	100KHZ	1.46	0.67	0.75
OWIRH127B-821	820	100KHZ	1.64	0.60	0.68
OWIRH127B-102	1000	100KHZ	1.82	0.55	0.61

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