OWIR1011 TYPE

FEATURES

1. Low DC resistance, high rated current and high inductance.
   Inductance: 10 to 1000uH.
2. The series exhibits low voltage drops and small variations in inductance with respect to temperature rise and DC current level. This makes them excellent for use as power supply line choke coils.

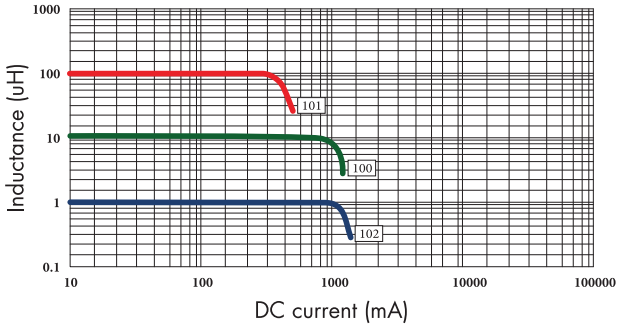
APPLICATIONS

1. Portable communication, equipments.
2. DC/DC converters, etc.

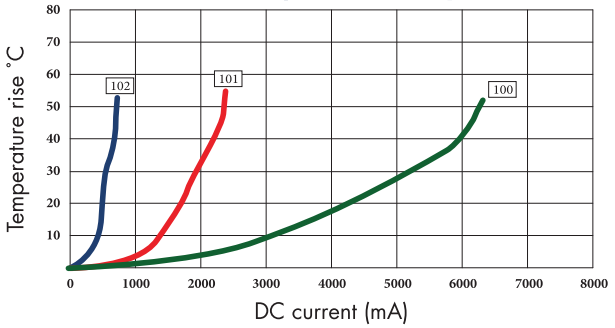
ELECTRICAL CHARACTERISTICS FOR OWIR1011 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIR1011-100	10	100KHZ	25m	8.0	5.60
OWIR1011-150	15	100KHZ	35m	7.0	4.70
OWIR1011-220	22	100KHZ	55m	5.5	4.00
OWIR1011-330	33	100KHZ	65m	4.0	3.40
OWIR1011-470	47	100KHZ	110m	3.8	2.90
OWIR1011-680	68	100KHZ	160m	3.0	2.46
OWIR1011-101	100	100KHZ	200m	2.5	2.00
OWIR1011-151	150	100KHZ	320m	2.0	1.70
OWIR1011-221	220	100KHZ	460m	1.7	1.20
OWIR1011-331	330	100KHZ	715m	1.3	1.02
OWIR1011-471	470	100KHZ	1.02	1.1	0.87
OWIR1011-681	680	100KHZ	1.38	1.0	0.73
OWIR1011-102	1000	100KHZ	2.05	0.8	0.22

OWIR1011 Inductance decrease by current



OWIR1011 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:
   10uH~68uH: ±20%(M) 100uH~1000uH: ±10%(K)
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.