



OWINR6045 TYPE

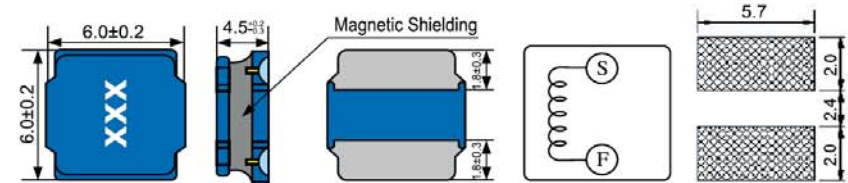


FEATURES

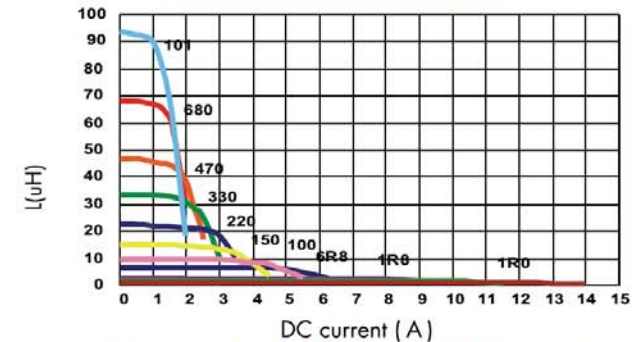
1. Ultra low buzz noise levels;
2. Low EMI;
3. Higher current and efficiency.

APPLICATIONS

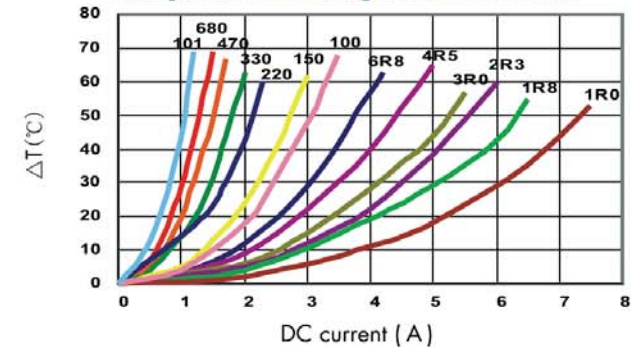
1. LED lighting;
2. Mobile phones, devices and base stations;
3. Portable gaming devices, navigation systems;
4. Automotive systems;
5. TVs, set top boxes;
6. Computers and Servers.



Inductance vs. DC Current



Temperature Change vs. DC Current



ELECTRICAL CHARACTERISTICS FOR OWINR6045 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω±30%) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWINR6045-1R0	1.0	100KHz	12m	12.20	6.50
OWINR6045-1R5	1.5	100KHz	15m	10.40	5.90
OWINR6045-1R8	1.8	100KHz	17m	9.60	5.60
OWINR6045-2R2	2.2	100KHz	18.4m	8.80	5.10
OWINR6045-2R3	2.3	100KHz	19m	8.80	5.00
OWINR6045-3R0	3.0	100KHz	22m	7.80	4.40
OWINR6045-3R3	3.3	100KHz	24m	7.50	4.30
OWINR6045-3R6	3.6	100KHz	24m	7.50	4.30
OWINR6045-3R9	3.9	100KHz	26m	7.00	4.00
OWINR6045-4R5	4.5	100KHz	31m	6.70	3.90
OWINR6045-4R7	4.7	100KHz	31m	6.70	3.90
OWINR6045-5R1	5.1	100KHz	33m	6.00	3.50
OWINR6045-6R3	6.3	100KHz	40m	5.50	3.30
OWINR6045-6R8	6.8	100KHz	43m	5.30	3.20
OWINR6045-100	10	100KHz	57m	4.50	2.70
OWINR6045-150	15	100KHz	80m	3.40	2.20
OWINR6045-180	18	100KHz	100m	3.10	1.90
OWINR6045-220	22	100KHz	125m	3.00	1.80
OWINR6045-270	27	100KHz	160m	2.50	1.40
OWINR6045-330	33	100KHz	165m	2.30	1.30
OWINR6045-470	47	100KHz	245m	1.90	1.20
OWINR6045-680	68	100KHz	330m	1.60	1.00
OWINR6045-101	100	100KHz	500m	1.30	0.80
OWINR6045-221	220	100KHz	1300m	0.80	0.38
OWINR6045-331	330	100KHz	1800m	0.70	0.35
OWINR6045-102	1000	100KHz	6000m	0.40	0.22

1. Agilent/HP 4284A + Agilent/HP 16334A, 100KHz with 1V; Tolerance : M = ±20% , N = ±30%.
2. DCR : Digital Milliohm Meter Chroma 16502, or equivalent.
3. Inductance drop 30% from its value without current.
4. For a 40°C rise above 25°C ambient.
5. Operating temperature range: -40°C ~ 125°C. (Including self-temperature rise).