



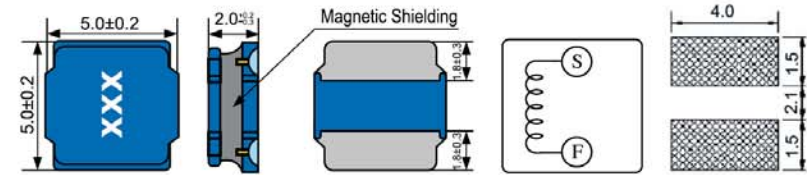
OWINR5020 TYPE

FEATURES

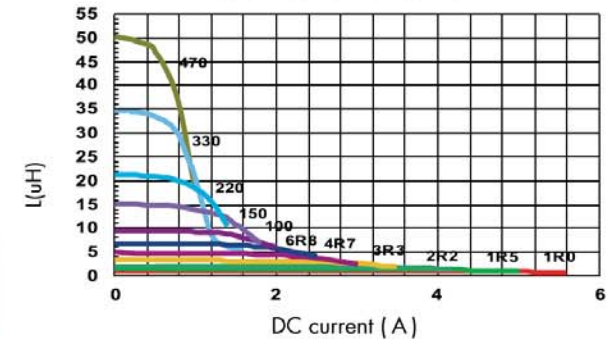
1. Ultra low buzz noise levels;
2. Low EMI;
3. Higher current and efficiency.

APPLICATIONS

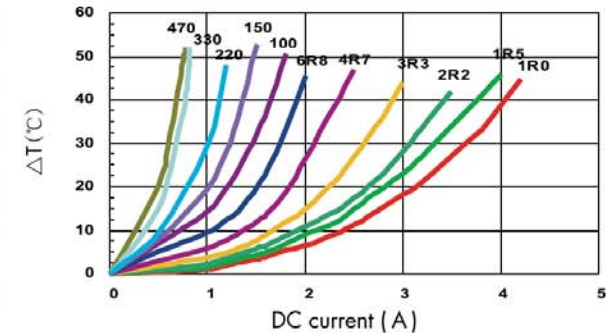
1. LED lighting;
2. Mobile phones, devices and base stations;
3. Portable gaming devices, navigation systems;
4. Automotive systems;
5. TVs, set top boxes;
6. Computers and Servers.



Inductance vs. DC Current



Temperature Change vs. DC Current



ELECTRICAL CHARACTERISTICS FOR OWINR5020 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω±20%) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWINR5020-1R0	1.0	100KHz	21m	5.1	4.0
OWINR5020-1R2	1.2	100KHz	21m	4.8	3.8
OWINR5020-1R5	1.5	100KHz	26m	4.2	3.5
OWINR5020-2R2	2.2	100KHz	35m	3.4	3.2
OWINR5020-3R3	3.3	100KHz	48m	3.0	2.8
OWINR5020-4R7	4.7	100KHz	60m	2.2	2.2
OWINR5020-5R6	5.6	100KHz	82m	2.05	2.0
OWINR5020-6R8	6.8	100KHz	90m	2.0	1.8
OWINR5020-100	10	100KHz	120m	1.6	1.6
OWINR5020-150	15	100KHz	190m	1.3	1.2
OWINR5020-220	22	100KHz	260m	1.0	1.0
OWINR5020-330	33	100KHz	460m	0.8	0.75
OWINR5020-470	47	100KHz	580m	0.65	0.65

1. L: 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).