



**OWINR5020 TYPE**



**FEATURES**

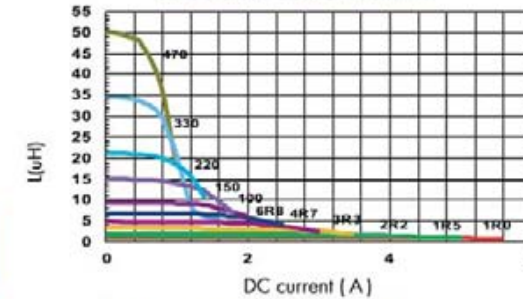
- 1. Ultra low buzz noise levels;
- 2. Low EMI;
- 3. Higher current and efficiency.

**APPLICATIONS**

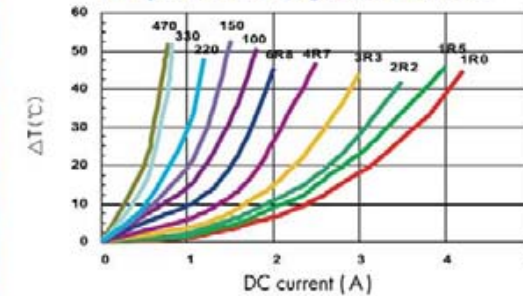
- 1. LED lighting;
- 2. Mobile phones, devices and base stations;
- 3. Portable gaming devices, navigation systems;
- 4. Automotive systems;
- 5. TVs, set top boxes;
- 6. Computers and Servers.



**Inductance vs. DC Current**



**Temperature Change vs. DC Current**



**ELECTRICAL CHARACTERISTICS FOR OWINR5020 SERIES**

Part Number	Inductance (uH) <sup>(1)</sup>	Test Frequency	DC Resistance (Ω±20%) <sup>(2)</sup>	Saturation Current (A) <sup>(3)</sup>	Temperature Current (A) <sup>(4)</sup>
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

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- 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).