



### OWINR5040 TYPE

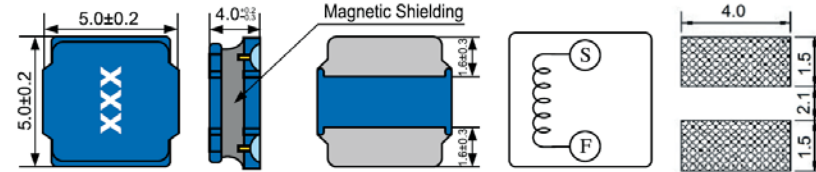


#### FEATURES

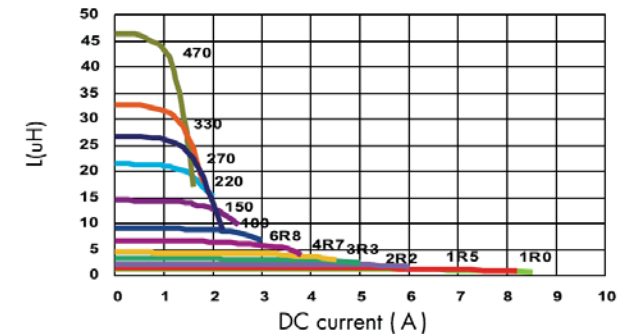
1. Ultra low buzz noise levels;
2. Low EMI;
3. Higher current and efficiency.

#### APPLICATIONS

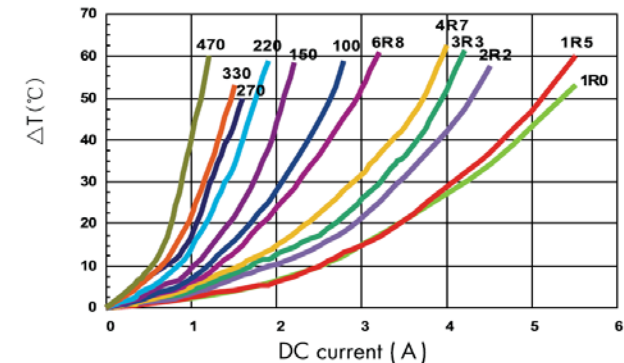
1. LED lighting;
2. Mobile phones, devices and base stations;
3. Portable gaming devices, navigation systems;
4. Automotive systems;
5. TVs, set top boxes;
6. Computers and Servers.



Inductance vs. DC Current



Temperature Change vs. DC Current



### ELECTRICAL CHARACTERISTICS FOR OWINR5040 SERIES

Part Number	Inductance (uH) <sup>(1)</sup>	Test Frequency	DC Resistance (Ω±30%) <sup>(2)</sup>	Saturation Current (A) <sup>(3)</sup>	Temperature Current (A) <sup>(4)</sup>
OWINR5040-1R0	1.0	100KHz	14m	7.50	4.60
OWINR5040-1R2	1.2	100KHz	15m	7.40	4.50
OWINR5040-1R5	1.5	100KHz	16m	7.10	4.40
OWINR5040-2R2	2.2	100KHz	21m	5.70	3.70
OWINR5040-3R3	3.3	100KHz	26m	4.80	3.50
OWINR5040-4R7	4.7	100KHz	32m	4.20	3.20
OWINR5040-6R8	6.8	100KHz	50m	3.30	2.40
OWINR5040-100	10	100KHz	60m	2.80	2.20
OWINR5040-150	15	100KHz	90m	2.30	1.80
OWINR5040-220	22	100KHz	135m	1.80	1.40
OWINR5040-270	27	100KHz	180m	1.60	1.20
OWINR5040-330	33	100KHz	190m	1.50	1.10
OWINR5040-470	47	100KHz	310m	1.20	0.90
OWINR5040-101	100	100KHz	800m	0.70	0.60

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).