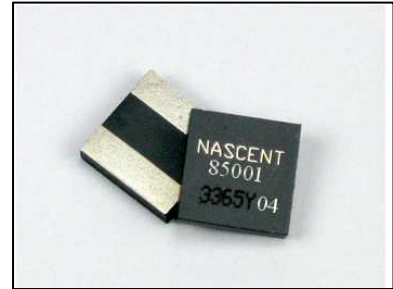


# LTCC

## High Temperature Inductors

### 85001 thru 85018

### 0.27x0.27 inch



NASCENT Technology, Inc. has developed a series of high temperature inductors using low temperature co-fired ceramic (LTCC) ferrite usable to 300°C that feature low profile, rugged packaging, self shielding and customizable. The monolithic structure provides improved mechanical strength over traditional transformer technology.

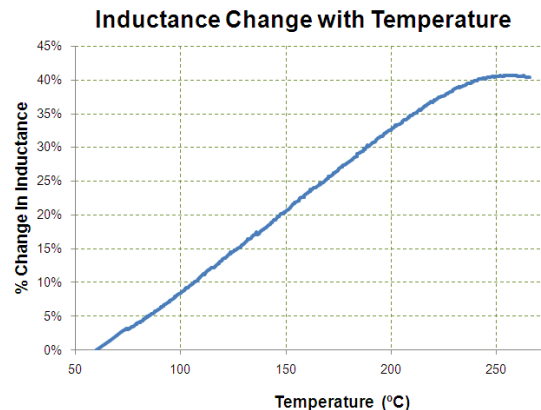
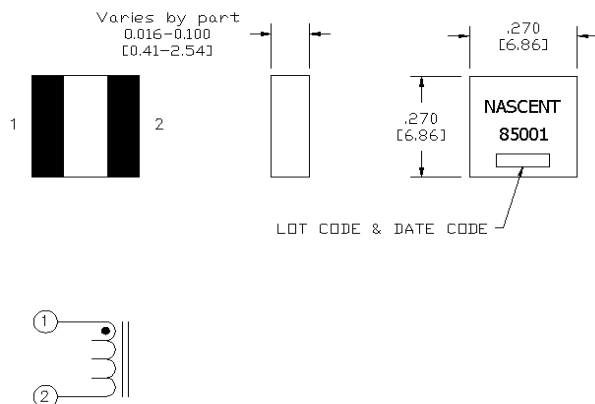
#### Electrical Parameters

Part No.	No Load Inductance <sup>†</sup> μH	100 mA Inductance μH	100 mA Tolerance	Nominal DC Resistance ohms	Rated Current <sup>††</sup> mA	Saturation Current* mA
85008	15	12	20%	0.40		350
85012	35	29	25%	0.60	530	
85016	63	48	30%	0.80		250

<sup>†</sup> Tolerance for no load inductance is ±25 %

<sup>††</sup> Current will cause a 35 C (20-25 to 55) temperature rise over ambient,

\* Saturation Current is the current that results in a 35% decrease in inductance over the 100 mA Inductance.



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