LTCC
High Temperature Inductors
0.27x0.27 inch size

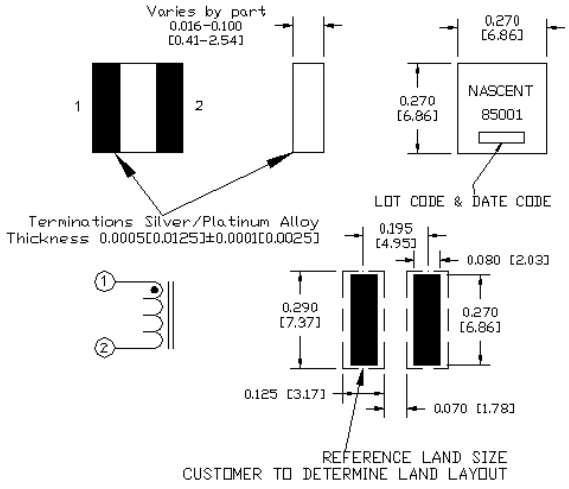


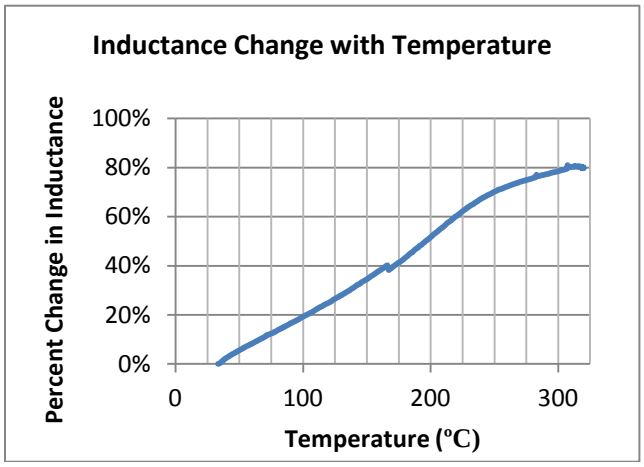
NASCENTechnology, Inc. has developed a series of high temperature, RoHS compliant inductors using low temperature co-fired ceramic (LTCC) ferrite usable to 300°C that feature low profile, rugged packaging, and self shielding characteristics.

Electrical Parameters at 25 °C unless otherwise noted

Part No.	No Load Inductance† µH	100 mA Inductance µH	100 mA Tolerance	Nominal DC Resistance ohms	Rated Current†† 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
85077	33	30	25%	0.38		250

† Tolerance for no load inductance is ±25 %
†† Current will cause a 35 °C temperature rise over ambient (measured 20 to 55 °C)
* Saturation Current is the current that results in a 35% decrease in inductance over the 100 mA Inductance.





Part dimension units: inches [millimeters]

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This product is protected under US Patent #6054914, #6198374 and other international patents.
Specifications subject to change without notice. 03/13