

# LTCC High Temperature Inductors 0.30x0.30 inch Size



NASCENTTechnology, 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.

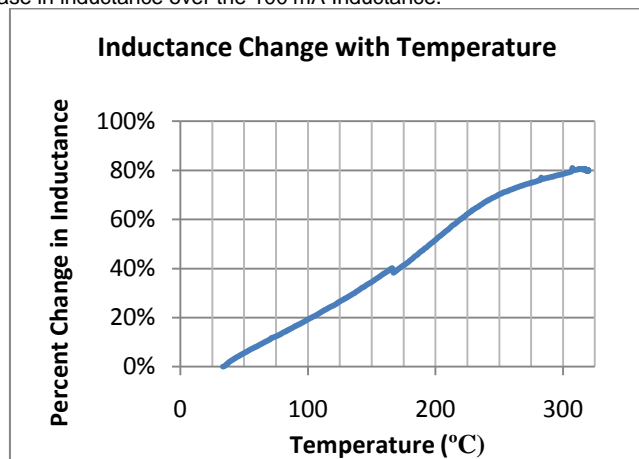
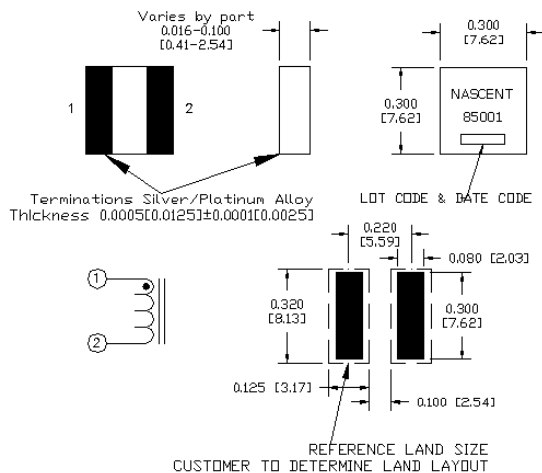
### Electrical Parameters at 25 °C unless otherwise noted

Part No.	No Load Inductance <sup>†</sup> μH	100 mA Inductance μH	100 mA Tolerance	Nominal DC Resistance ohms	Rated Current <sup>††</sup> mA	Saturation Current* mA
85022	10	5.9	20%	0.12		250
85024	12	10	20%	0.20		250
85027	21	19	20%	0.30		250
85028	51	30	20%	0.60		250
85032	48	43	25%	1.00		250
85031	88	47	20%	1.20		250
85035	86	67	20%	1.90		250
85036	100	85	25%	1.35		250
85038	175	125	25%	2.43		250

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

<sup>††</sup> 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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