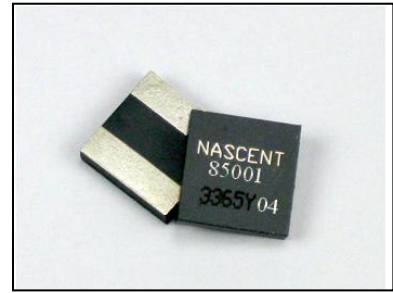


# LTCC High Temperature Inductors 0.40x0.40 inch size Higher Current Series



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

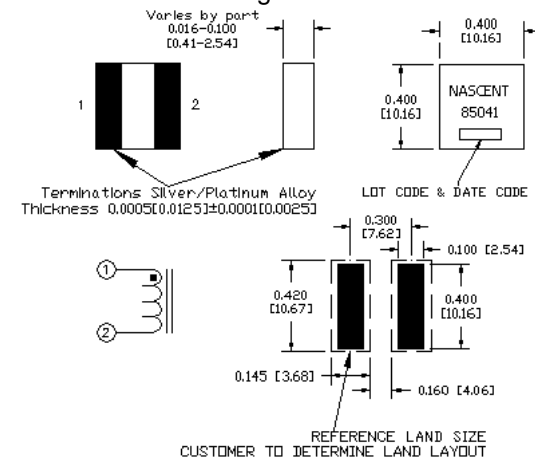
Part No.	No Load Inductance <sup>†</sup> μH	100 mA Inductance μH	100 mA Tolerance	Nominal DC Resistance ohms	Rated Current <sup>††</sup> mA	Saturation Current* mA
85081	10.7	10.7	20%	0.28	-	950
85082	52	52	20%	1.4	-	350
85083	91	91	20%	2.75	-	290

<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 mass 0.6 to 1.2 g



Part dimension units: inches [millimeters]

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