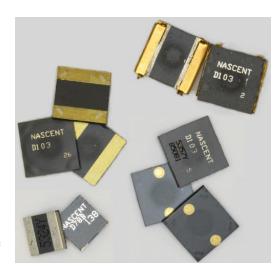


## LTCC High Temperature Inductors 0.27x0.27 inch size Higher Isat Series

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. See individual data sheets for part dimensions.



## Electrical Parameters at 25 °C unless otherwise noted

Part No.	No Load Inductance <sup>†</sup> μΗ	100 mA Inductance µH	100 mA Tolerance	Nominal DC Resistance ohms	Rated Current <sup>††</sup> mA	Saturation Current* mA
85090	20	19	20%	0.50		800

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

Common termination options (please add option to the end of the part number when inquiring):

- -A0 Thick film AgPt with side terminations, solderable
- -C0 Thick film Au, Au wirebonding
- -D0 Au over Ni, solderable
- -D1 Au over Ni, Al wirebonding

For additional information, contact: Daryl Schofield, General Manager Phone: 605-882-8513, Fax: 605-884-2450, E-mail: dschofield@nascentechnology.com NASCENTechnology Manufacturing, Inc. 1404 9th Ave. SW, Watertown, SD 57201 www.nascentechnology.com

<sup>&</sup>lt;sup>††</sup> Current will cause a 35 °C temperature rise over ambient (measured 20 to 55 °C)

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

Thickness varies by part; the range is 0.032-0.100 in [0.8-2.54 mm]