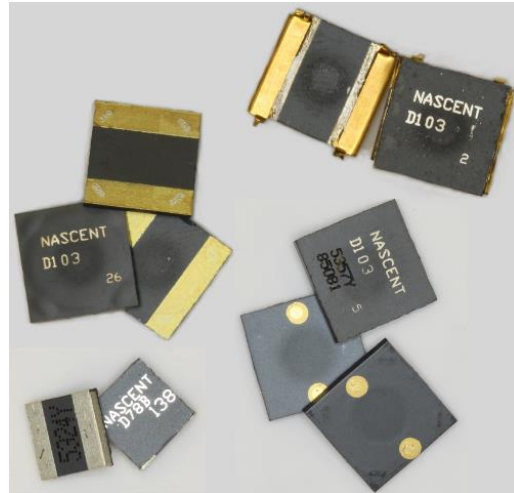


LTCC High Temperature Inductors 0.27x0.27 inch size

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. See individual data sheets for part dimensions.



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.

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

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

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