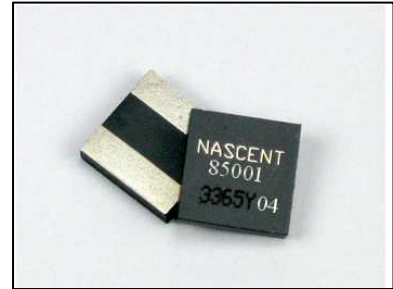


LTCC

High Temperature Inductors

85021 thru 85038

0.30x0.30 inch



NASCENTechnology, Inc. has developed a series of high temperature inductors using low temperature co-fired ceramic (LTCC) ferrite usable to 300°C that feature low profile, rugged packaging, self shielding and customizable. The monolithic structure provides improved mechanical strength over traditional transformer technology.

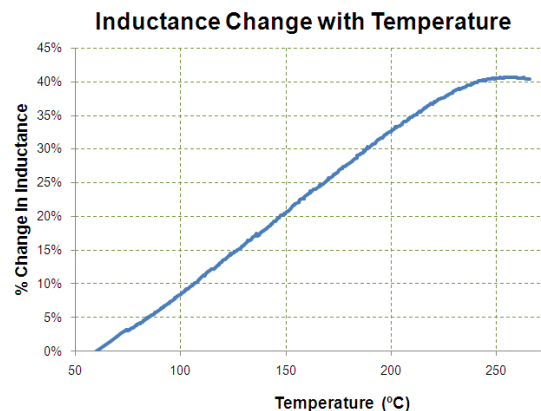
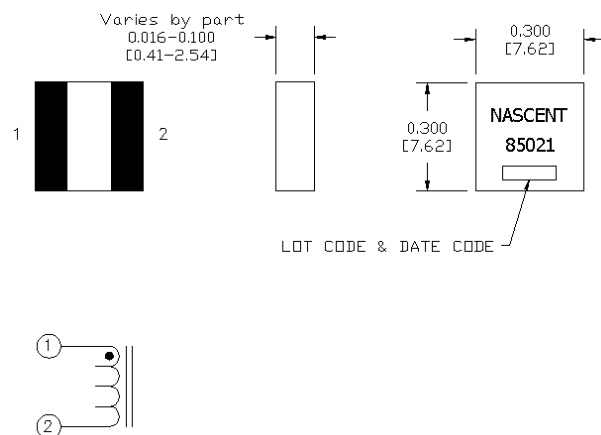
Electrical Parameters

Part No.	No Load Inductance [†] μH	100 mA Inductance μH	100 mA Tolerance	Nominal DC Resistance ohms	Rated Current ^{††} mA	Saturation Current* mA
85024	12	10	20%	0.20		250
85027	21	19	20%	0.30		250
85032	48	43	25%	1.00		250
85035	86	67	20%	1.90		250
85036	100	85	25%	1.35		250
85038	175	125	40%	2.43		250

[†] Tolerance for no load inductance is ±25 %

^{††} Current will cause a 35 C (20-25 to 55) temperature rise over ambient,

* Saturation Current is the current that results in a 35% decrease in inductance over the 100 mA Inductance.



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