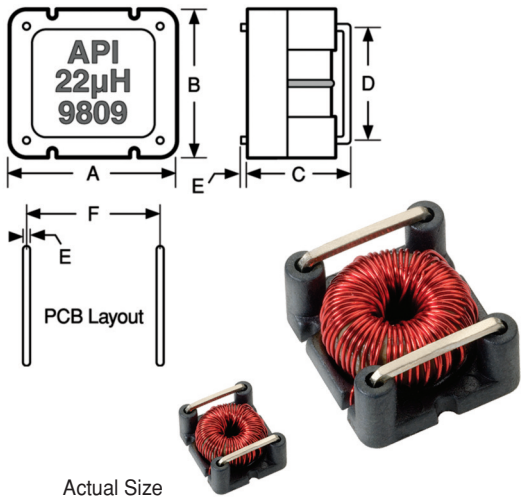
SERIES LLSTR LLST

RoHS Compliant

Traditional First Quality

Low Loss Surface Mount Power Toroid



Actual Size

Physical Parameters

	Inches	Millimeters
A	0.475 ± 0.020	12.07 ± 0.50
B	0.420 ± 0.020	10.67 ± 0.50
C	0.290 Max.	7.37 Max.
D	0.400 Ref.	7.62 Ref.
E	0.075 Ref.	1.91 Max.
F	0.375 ± 0.020	9.53 ± 0.50

Operating Temperature Range –40°C to +125°C

Power Dissipation 0.285 Max. (Watts)

Weight Max. (Grams) 2.00

Packaging Bulk only

Current Rating Based on a 35° C max. rise from 90°C ambient.

DASH NUMBER*	INDUCTANCE @ 1 kHz (µH) ±15%	INCREMENTAL CURRENT ADC, 10% Inductance Loss	INCREMENTAL CURRENT ADC, 20% Inductance Loss	SRF MINIMUM (MHz)	DCR (OHMS) MAXIMUM	CURRENT RATING ADC MAXIMUM
SERIES LLST HIGH SATURATION CORE						
LLST4R7	4.7	4.00	6.10	50.0	0.035	2.600
LLST10	10	2.80	4.10	45.0	0.050	2.250
LLST15	15	2.10	3.20	40.0	0.055	2.150
LLST18	18	1.90	3.00	35.0	0.060	2.050
LLST22	22	1.70	2.80	25.0	0.070	1.900
LLST25	25	1.60	2.60	20.0	0.080	1.780
LLST27	27	1.40	2.30	15.0	0.080	1.780
LLST33	33	1.30	2.20	12.0	0.080	1.780
LLST47	47	1.00	1.80	10.0	0.120	1.450
LLST75	75	0.80	1.40	8.0	0.180	1.190
LLST100	100	0.80	1.40	7.0	0.250	1.000
LLST125	125	0.64	1.10	6.0	0.250	1.000
LLST140	140	0.56	0.98	5.0	0.250	1.000
LLST150	150	0.56	0.98	4.0	0.260	0.985
LLST175	175	0.54	0.90	3.5	0.325	0.890
LLST200	200	0.46	0.80	3.2	0.400	0.795
LLST220	220	0.46	0.80	3.0	0.400	0.795
LLST270	270	0.46	0.78	2.5	0.500	0.710
LLST300	300	0.38	0.68	2.0	0.500	0.710
LLST350	350	0.36	0.62	1.9	0.625	0.650
LLST400	400	0.28	0.50	1.8	0.700	0.600
LLST450	450	0.28	0.50	1.7	0.850	0.550
LLST500	500	0.26	0.50	1.5	1.000	0.500

*Insert 'R' Designator for RoHS

For surface finish information, refer to www.delevanfinishes.com

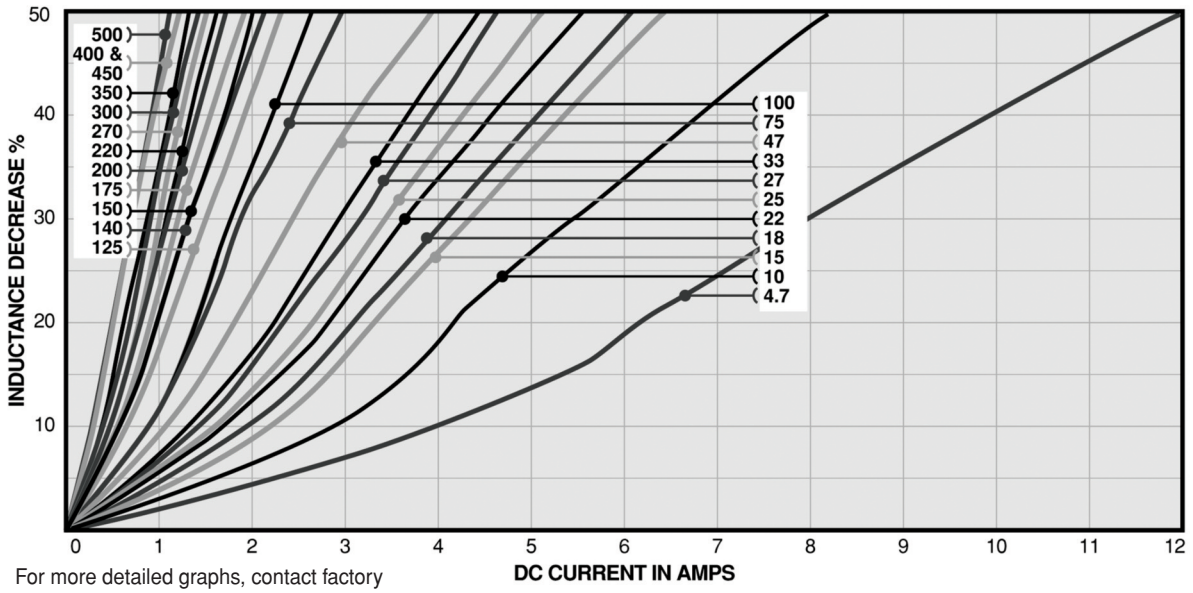
Material High Saturation Nickel/Iron Core.

Inductance Tested at an AC drive level which does not affect the initial permeability of the core, the DC drive level was 0 amps.

Incremental Current The DC current which reduces the inductance value to the percentage drop tabulated.

Inductor Base Formed from a high temperature thermoplastic capable of withstanding approx. 600°F for short periods of time.

Marking API, Inductance, and Date Code.



For more detailed graphs, contact factory

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