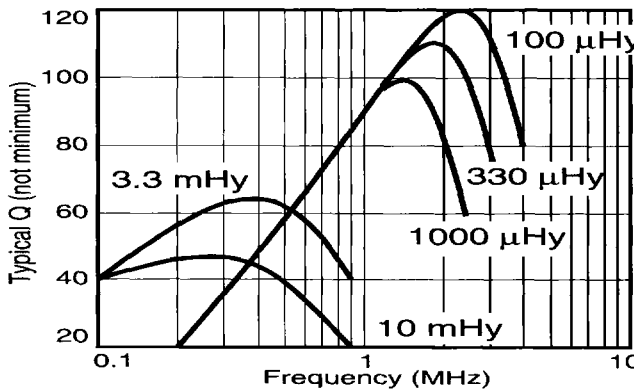
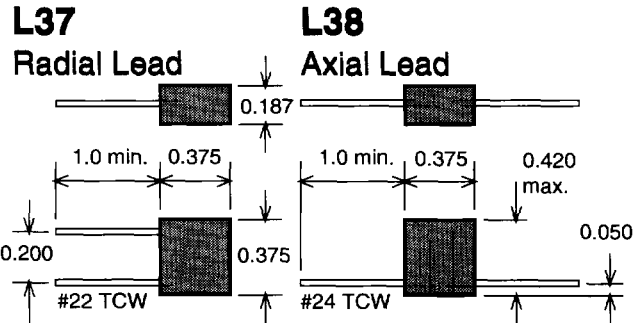




Miniature Toroidal Inductors Encapsulated Type 0.1 to 10 mHY L37 and L38



Radial leads Part number	Axial leads Part number	Inductance(μHy)	Tolerance(%)	Q(min)	Freq(mHz)	SR Freq(mHz)	DCR (Ω max)	Rated DC(ma)
L37-101J	L38-101J	100	5	75	790	8.4	6	280
L37-121J	L38-121J	120		75		7.5	7	260
L37-151J	L38-151J	150		75		6.7	8	240
L37-181J	L38-181J	180		75		6.0	10	220
L37-221J	L38-221J	220		80		5.3	12	200
L37-271J	L38-271J	270		80		4.7	14	180
L37-331J	L38-331J	330		80		4.2	17	160
L37-391J	L38-391J	390		80		3.8	20	150
L37-471J	L38-471J	470		75		3.4	24	140
L37-561J	L38-561J	560		75		3.1	28	130
L37-681J	L38-681J	680	5	75	250	2.8	33	120
L37-821J	L38-821J	820		75		2.5	39	110
L37-102J	L38-102J	1000		75		2.2	45	100
L37-122J	L38-122J	1200		45		1.9	51	120
L37-152J	L38-152J	1500		45		1.6	57	110
L37-182J	L38-182J	1800		50		1.4	64	100
L37-222J	L38-222J	2200		50		1.3	71	90
L37-272J	L38-272J	2700		50		1.2	80	85
L37-332J	L38-332J	3300		50		1.1	90	80
L37-392J	L38-392J	3900		50		1.0	100	75
L37-472J	L38-472J	4700	40	50		0.9	110	70
L37-562J	L38-562J	5600		45		0.8	120	65
L37-682J	L38-682J	6800		40		0.7	140	60
L37-822J	L38-822J	8200		40		0.6	160	55
L37-103J	L38-103J	10000		40		0.6	180	50

The L37 (radial leads) and L38 (axial leads) series are miniaturized, epoxy encapsulated, toroidal, fixed value inductors designed for high density applications and manufactured according to military standards for high reliability.

FEATURES:

- Small size.
- Rugged epoxy encapsulated construction.
- Toroidal structure - low externally radiated magnetic fields.
- High reliability.

SPECIFICATIONS:

Inductance: 100 μHy to 10 mHy.

Tolerance: 5% standard,
other tolerances available.

Power dissipation: 1/2 watt maximum.

Overload current: 1.4 x rated current.

Frequency range: 50 kHz to 50 mHz.

Inductance TC: $L \leq 1 \text{ mHy}$: +25 ppm/°C (nom), +60 ppm/°C(max) and $L \geq 1.2 \text{ mHy}$: +125 ppm/°C(nom), +300 ppm/°C(max).

Leads: Tinned copper standard, weldable gold-plated Dumet (suffix "D") or nickel (suffix "N") available.

Terminal strength: 5 pounds.

Operating temperature: -55 to +125 °C.

Temperature rise: 35 °C maximum.

Dielectric Withstanding: 700 V rms.

Moisture and shock resistant.

Immersion proof.

Altitude rating: 70,000 feet.

All specifications are subject to change without notice.

Excellence in Magnetics

TeCal

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