

## FEATURES:

- Materials meet UL94V-0 rating
- Suited for IR and vapor reflow solder
- Fits in half inch high boards for use in laptop and notebook computers
- Frequency range of up to 1MHz
- Patented, low profile, self-ledged design
- Recognized by UL 60950-1

YUAN DEAN SCIENTIFIC



Surface Mount  
Inductor  
**97T SERIES**  
Self-ledged



## Electrical Specifications@25°C-Operating Temperature -30°C to 130°C

Part Number	Refer ENCE Values			Control Values			Calculation DATA		
	IDC (Amps)	L WITH DC LDC(μH)	ET (V-μ sec)	Package	L w/o DC L <sub>0</sub> (μH±20%)	DCR R <sub>DC</sub> (mΩ Max)	100 GAUSS ET100 (V-μ Sec)	1 Amp DC H <sub>i</sub> (Orsted)	DCR R <sub>N</sub> (MΩ NOM)
97T-062L2NL	1.40	6.20	1.33	L2	7.0	70.0	0.94	21.9	60.3
97T-170L2NL	1.00	17.6	2.40	L2	22.7	125	1.68	39.3	109
97T-290L3NL	1.40	29.7	4.60	L3	35.3	166	4.12	23.2	141
97T-580L7NL	1.30	58.1	7.83	L7	73.0	290	1.09	28.8	233
97T-114L3NL	0.94	114	10.0	L3	167	380	8.97	50.5	330
97T-191L7NL	0.90	192	15.7	L7	292	560	14.2	57.7	472

[www.yds.com.tw](http://www.yds.com.tw)


TEL: 886-6-3842899 FAX: 886-6-3843288

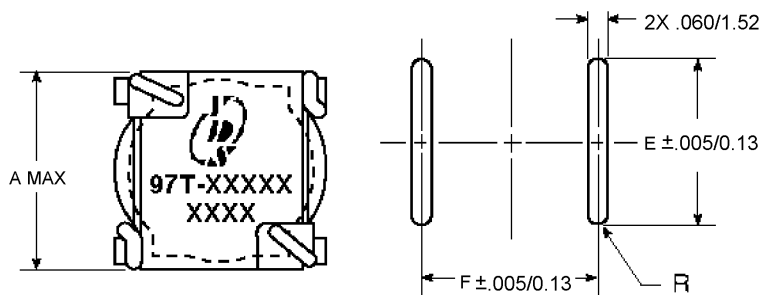
E-MAIL: [ydsweb@yds.com.tw](mailto:ydsweb@yds.com.tw)

Rev: 1 2018/11/15

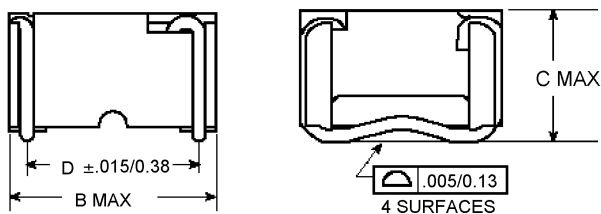
Mechanicals and Dimensions

L

Low Current Inductors



Suggested PCB Layout



PKG	A	B	C	D	E	F
L2	.340	.340	.270	.260	.300	.270
	8.64	8.64	6.86	6.60	7.62	6.86
L3	.435	.440	.360	.350	.400	.360
	11.05	11.18	9.14	8.89	10.16	9.14
L7	.560	.565	.360	.450	.520	.460
	14.22	14.35	9.14	11.43	13.21	11.68
L5	.670	.700	.390	.580	.620	.590
	17.02	17.78	9.91	14.73	15.75	14.99