

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-leaded design
- Recognized By UL 60950-1

YUAN DEAN SCIENTIFIC



Surface Mount
Inductor
97T SERIES
Self-leaded



ELECTRICAL SPECIFICATIONS@25°C-OPERATING TEMPERATURE -30°C TO 130°C

Part Number	REFERENCE VALUES			CONTROL VALUES			CALCULATION DATA		
	IDC (Amps)	L WITH DC LDC(μH)	ET (V-μ sec)	Package	L w/o DC L _o (μH±20%)	DCR R _{DC} (mΩ Max)	100 GAUSS ET100 (V-μ Sec)	1 Amp DC H _i (Orsted)	DCR R _N (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

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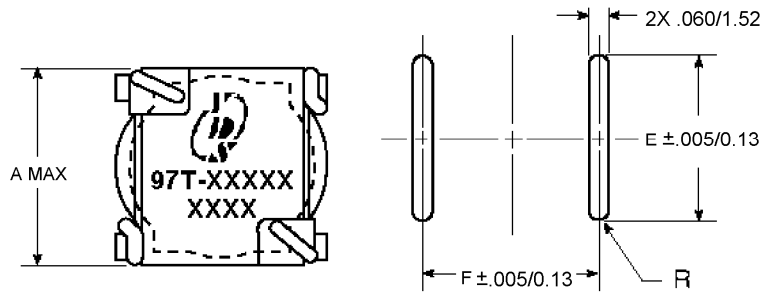
E-MAIL: ydsweb@yds.com.tw

Rev: 1 2018/11/15

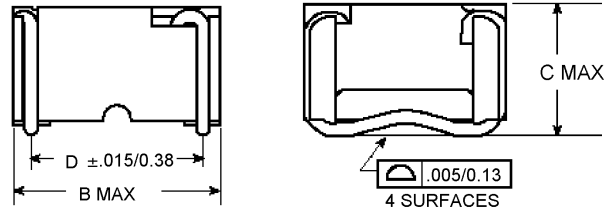
Mechanicals and Dimensions

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