

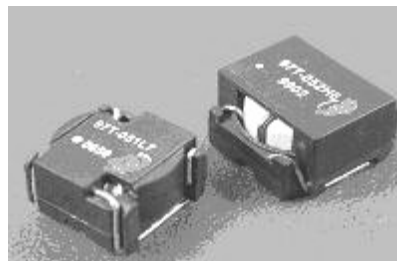
# ICI-97T SERIES

# SURFACE MOUNT INDUCTORS

## SELF-LEADED

### FEATURES

- MATERIALS MEET UL94V-0 RATING.
- SUITED FOR IR AND VAPOR REFLOW SOLDER.
- FITS IN HALF INCH HIGH BOARDS FOR USE IN LAPTOP AND NOTEDBOOK COMPUTERS.
- FREQUENCY RANGE OF UP TO 1MHz.
- PATENTED, LOW PROFILE, SELF-LEADED DESIGN.



### 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-μsec)	Package	L w/o DC Lo (μH±20%)	DCR R <sub>DC</sub> (Ω Max)	100 GAUSS ET100 (V-μSec)	1 Amp DC Hi (Orsted)	DCR R <sub>N</sub> (MΩ NOM)
ICI97T-062L2	1.40	6.20	1.33	L2	7.0	70.0	0.94	21.9	60.3
ICI97T-170L2	1.00	17.6	2.40	L2	22.7	125	1.68	39.3	109
ICI97T-290L3	1.40	29.7	4.60	L3	35.3	166	4.12	23.2	141
ICI97T-580L7	1.30	58.1	7.83	L7	73.0	290	1.09	28.8	233
ICI97T-114L3	0.94	114	10.0	L3	167	380	8.97	50.5	330
ICI97T-191L7	0.90	192	15.7	L7	292	560	14.2	57.7	472
ICI97T-383L7	0.72	383	23.5	L7	672	862	21.3	86.5	750
ICI97T-645L4	0.74	645	36.5	L4	1134	1250	37.2	84.4	1040
ICI97T-102L5	0.71	1070	54.4	L5	1950	1700	56.9	95.7	1480
ICI97T-010L2	3.4	1.01	0.532	L2	1.10	11.0	0.37	8.74	12.5
ICI97T-094L3	2.8	9.4	2.7	L3	12.3	43.4	2.42	13.7	37.8
ICI97T-043L7	2.7	16.2	4.29	L7	21.9	63.0	3.88	15.8	54.7
ICI97T-290L4	2.7	29.1	6.90	L4	40.5	85.0	7.02	15.9	75.8
ICI97T-500L5	2.6	50.0	10.5	L5	72.9	133	11.0	18.5	115
ICI97T-038L3	4.8	3.8	1.76	L3	5.20	17.3	1.58	8.87	14.8
ICI97T-051L7	5.4	5.1	2.51	L7	7.5	17.7	2.27	9.25	14.3
ICI97T-090L4	5.5	9.0	4.06	L4	14.0	22.3	4.13	9.38	19.3
ICI97T-160L5	5.1	16.1	6.27	L5	25.9	32.0	6.55	11.0	30.3
ICI97T-025L7	8.0	2.5	1.77	L7	3.80	8.3	1.61	6.53	7.20
ICI97T-049L4	7.8	4.9	3.04	L4	7.9	12.4	3.10	7.03	10.5
ICI97T-093L5	7.2	9.3	4.92	L5	16.0	18.7	5.15	8.67	16.3
ICI97T-013H7	11.5	1.32	1.33	H7	2.10	4.0	1.20	4.90	3.39
ICI97T-025H4	11.4	2.5	2.23	H4	4.20	5.4	2.27	5.16	4.64
ICI97T-047H5	10.4	4.7	3.58	H5	8.4	8.3	3.75	6.30	7.18

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ICI97T-094H6	10.9	9.4	6.84	H6	17.6	12.3	7.93	6.24	10.7
ICI97T-008H7	14.3	0.81	1.035	H7	1.25	2.5	0.94	381	2.16
ICI97T-016H4	13.9	1.68	1.83	H4	2.80	3.6	1.86	4.22	3.16
ICI97T-035H5	12.4	3.5	3.13	H5	6.5	6.6	3.28	5.52	5.75
ICI97T-052H6	15.4	5.2	5.21	H6	10.5	6.2	6.04	4.75	5.30

Inductance measured at 1 MHz/200mv

Dimensions: inches/mm

Unless otherwise specified, all tolerances are  $\pm$ .

010/ $\pm$ 0.25

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