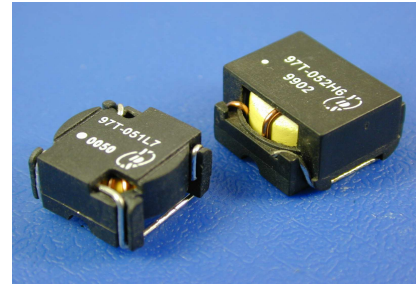


## FEATURES

- 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.
- RECOGNIZED BY UL 1950



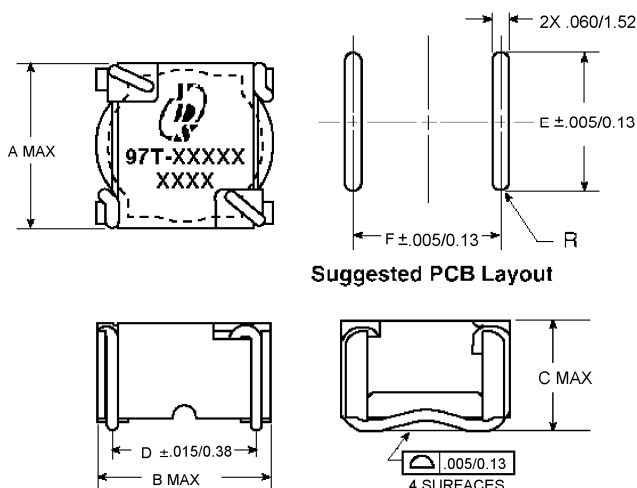
## ELECTRICAL SPECIFICATIONS @ 25°C-OPERATING TEMPERATURE -30°C TO +130°C

| 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> (mΩ Max) | 100 GAUSS ET100 (V-μSec) | 1 Amp DC H <sub>I</sub> (Orsted) | DCR R <sub>N</sub> (MΩ NOM) |
| 97T-062L2   | 1.40             | 6.20              | 1.33        | L2             | 7.0                  | 70.0                         | 0.94                     | 21.9                             | 60.3                        |
| 97T-170L2   | 1.00             | 17.6              | 2.40        | L2             | 22.7                 | 125                          | 1.68                     | 39.3                             | 109                         |
| 97T-290L3   | 1.40             | 29.7              | 4.60        | L3             | 35.3                 | 166                          | 4.12                     | 23.2                             | 141                         |
| 97T-580L7   | 1.30             | 58.1              | 7.83        | L7             | 73.0                 | 290                          | 1.09                     | 28.8                             | 233                         |
| 97T-114L3   | 0.94             | 114               | 10.0        | L3             | 167                  | 380                          | 8.97                     | 50.5                             | 330                         |
| 97T-191L7   | 0.90             | 192               | 15.7        | L7             | 292                  | 560                          | 14.2                     | 57.7                             | 472                         |

## MARKINGS AND DIMENSION

### L & P

#### Low Current Inductors



| 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 |
| L4  | .590  | .615  | .390 | .500  | .550  | .510  |
|     | 14.99 | 15.62 | 9.91 | 12.70 | 13.97 | 12.95 |
| L5  | .670  | .700  | .390 | .580  | .620  | .590  |
|     | 17.02 | 17.78 | 9.91 | 14.73 | 15.75 | 14.99 |
| D1  | .571  | .606  | .303 | .492  | .520  | .492  |
|     | 14.50 | 15.40 | 7.70 | 12.50 | 13.21 | 12.50 |
| D3  | .555  | .559  | .303 | .449  | .472  | .449  |
|     | 14.10 | 14.20 | 7.70 | 11.30 | 12.00 | 11.30 |
| P9  | .657  | .689  | .390 | .580  | .620  | .590  |
|     | 16.70 | 17.50 | 9.91 | 14.73 | 15.75 | 14.99 |