



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Molded RF coils

MILITARY SPECIFICATIONS

SERIES

MS-14047 (LT10K)
MS-14048 (LT10K)
MS-75052 (LT4K)

3500



| Delevan Part Number | Inductance Microhenries $\pm 10\%$ | Q Min. | Test Frequency (MHz) | Resonant Frequency Min. (MHz) | D.C. Resistance Max. (ohms) | Current Rating Max. (mA) | Mold Size | Core Material | Delevan Part Number | Inductance Microhenries $\pm 10\%$ | Q Min. | Test Frequency (MHz) | Resonant Frequency Min. (MHz) | D.C. Resistance Max. (ohms) | Current Rating Max. (mA) | Mold Size | Core Material |
|---------------------|------------------------------------|--------|----------------------|-------------------------------|-----------------------------|--------------------------|-----------|---------------|---------------------|------------------------------------|---------------|----------------------|-------------------------------|-----------------------------|--------------------------|---------------|---------------|
| 3500-00 | 47 | 18 | 2.5 | 13.5 | 5.9 | 225 | A | PHENOLIC STIC | 3500-26 | 560 | 80 | .79 | 3.5 | 10.0 | 133 | C | IRON (LT10K) |
| 3500-02 | 56 | 18 | | 13.0 | 6.4 | 216 | A | | 3500-28 | 680 | 75 | | 3.2 | 11.2 | 125 | C | |
| 3500-04 | 68 | 70 | .79 | 13.0 | 3.3 | 210 | A | IRON (LT10K) | 3500-30 | 820 | 75 | 25 | 3.0 | 13.0 | 116 | C | IRON (LT10K) |
| 3500-06 | 82 | 65 | | 11.7 | 3.5 | 196 | A | | 3500-32 | 1000 | 70 | | 2.7 | 14.5 | 110 | C | |
| 3500-08 | 100 | 65 | .79 | 10.7 | 3.8 | 188 | A | IRON (LT10K) | 3500-34 | 1500 | 85 | .25 | 2.2 | 22.0 | 93 | D | IRON (LT10K) |
| 3500-10 | 120 | 75 | | 9.3 | 4.7 | 169 | A | | 3500-36† | 2000 | 85 | | 1.9 | 26.0 | 86 | D | |
| 3500-12 | 150 | 75 | .79 | 8.3 | 5.3 | 159 | A | IRON (LT10K) | 3500-37 | 2200 | 85 | .25 | 1.8 | 27.0 | 84 | D | IRON (LT10K) |
| 3500-14 | 180 | 80 | | 6.0 | 5.5 | 171 | B | | 3500-38† | 2500 | 85 | | 1.7 | 30.0 | 80 | D | |
| 3500-16 | 220 | 80 | .79 | 5.5 | 5.9 | 165 | B | IRON (LT10K) | 3500-39 | 2700 | 85 | .25 | 1.6 | 32.0 | 77 | D | IRON (LT10K) |
| 3500-18 | 270 | 80 | | 5.1 | 6.6 | 156 | B | | 3500-40† | 5000 | 70 | | 1.2 | 65.0 | 54 | D | |
| 3500-20 | 330 | 75 | .79 | 4.2 | 7.8 | 143 | B | IRON (LT10K) | 3500-41 | 5100 | 70 | .25 | 1.0 | 66.0 | 53 | D* | FERRITE |
| 3500-22 | 390 | 75 | | 3.9 | 8.7 | 136 | B | | 3500-42† | 10000 | 70 | | .8 | 70.0 | 52 | B | IRON |
| 3500-24 | 470 | 80 | 3.7 | 9.0 | 140 | C | | | 3500-44 | 10000 | 70 | | .8 | 70.0 | 52 | B | IRON |

PHYSICAL PARAMETERS

| Mold Size | Diameter | | Length | | Lead Type & Size | | Lead Length | | Power Dissipation at 90°C Max. (Watts) | Weight Max. (Grams) |
|-----------|-------------------|--------------|-------------------|--------------|-------------------|---------------|------------------|---------------|--|---------------------|
| | $\pm .010$ Inches | $\pm .25$ mm | $\pm .010$ Inches | $\pm .25$ mm | Inches $\pm .002$ | $\pm .051$ mm | $\pm .12$ Inches | ± 3.05 mm | | |
| A | .250 | [6.35] | .560 | [14.22] | AWG #22 TCW .025 | [.635] | 1.44 | [36.58] | .415 .175 | 2.0 |
| B | .310 | [7.87] | .560 | [14.22] | AWG #21 TCW .026 | [.711] | 1.44 | [36.58] | .21 | 2.8 |
| C | .375 | [9.53] | .625 | [15.88] | AWG #21 TCW .028 | [.711] | 1.44 | [36.58] | .23 | 4.0 |
| D | .468 | [11.89] | .687 | [17.45] | AWG #21 TCW .028 | [.711] | 1.44 | [36.58] | .25 | 6.4 |
| | | | | | *AWG #20 TCW .032 | [.813] | | | | |

CURRENT RATING AT 90°C AMB.

Phenolic 35°C Rise
 Iron & Ferrite 15°C Rise

OPERATING TEMPERATURE

LT4K -55°C to +125°C
 LT10K -55°C to +105°C

†No MS # Issued.

PHYSICAL PARAMETERS — in inches and [millimeters.]

