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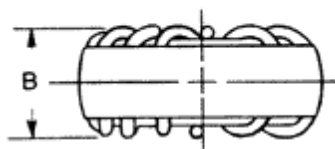
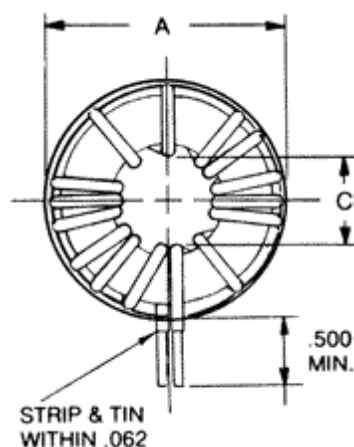
## High Current Toroid Inductors 1540 Series

### Features

- Ideal for EMI/RFI filtering applications
- Suitable for energy storage inductors for switching power supplies.
- High current
- Minimum .5" long leads, for P.C. board mounting.
- Storage temperature range: -20°C to 105°C
- Operating temperature range: -20°C to 85°C



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| Part No. | Inductance<br>Ls +/- 15%<br>@ 0A D.C. (uH) | Rated<br>D.C Amps | Minimum Inductance<br>at rated D.C.<br>uH | D.C.<br>Resistance max.<br>Ohms | D.C. Amps<br>for 0.8<br>Ls | Dimensions<br>A<br>Maximum | B<br>Maximum | C<br>Minimum | Typ.<br>Lead<br>Diameter |
|----------|--------------------------------------------|-------------------|-------------------------------------------|---------------------------------|----------------------------|----------------------------|--------------|--------------|--------------------------|
| 1540M01  | 10                                         | 11                | 5                                         | 0.008                           | 7.5                        | 0.88                       | 0.44         | 0.19         | 0.06                     |
| 1540M02  | 25                                         | 5.5               | 12                                        | 0.014                           | 3.25                       | 0.88                       | 0.44         | 0.19         | 0.04                     |
| 1540M03  | 125                                        | 2.75              | 70                                        | 0.12                            | 1.5                        | 0.88                       | 0.44         | 0.19         | 0.02                     |
| 1540M04  | 275                                        | 2                 | 150                                       | 0.24                            | 1.3                        | 0.88                       | 0.44         | 0.19         | 0.02                     |
| 1540M05  | 450                                        | 1.5               | 250                                       | 0.49                            | 0.8                        | 0.88                       | 0.44         | 0.19         | 0.01                     |
| 1540M06  | 25                                         | 9                 | 15                                        | 0.012                           | 5.5                        | 1.12                       | 0.56         | 0.31         | 0.06                     |
| 1540M07  | 75                                         | 5                 | 40                                        | 0.04                            | 3                          | 1.12                       | 0.56         | 0.31         | 0.04                     |
| 1540M08  | 400                                        | 2.25              | 225                                       | 0.33                            | 1.4                        | 1.12                       | 0.56         | 0.31         | 0.02                     |
| 1540M09  | 800                                        | 1.75              | 475                                       | 0.64                            | 1                          | 1.12                       | 0.56         | 0.31         | 0.01                     |
| 1540M10  | 1000                                       | 1.5               | 575                                       | 0.98                            | 0.9                        | 1.12                       | 0.56         | 0.31         | 0.01                     |
| 1540M11  | 50                                         | 9.5               | 25                                        | 0.012                           | 6                          | 1.25                       | 0.62         | 0.38         | 0.06                     |
| 1540M12  | 150                                        | 4.75              | 85                                        | 0.046                           | 2.5                        | 1.25                       | 0.62         | 0.38         | 0.04                     |
| 1540M13  | 700                                        | 2.25              | 400                                       | 0.42                            | 1.25                       | 1.25                       | 0.62         | 0.38         | 0.02                     |
| 1540M14  | 1250                                       | 1.75              | 750                                       | 0.85                            | 1                          | 1.25                       | 0.62         | 0.38         | 0.01                     |
| 1540M15  | 1600                                       | 1.5               | 950                                       | 1.27                            | 0.8                        | 1.25                       | 0.62         | 0.38         | 0.01                     |

| Part No. | Inductance     | Rated    | Minimum Inductance | D.C.            | D.C. Amps  | Dimensions |         |         | Typ.     |
|----------|----------------|----------|--------------------|-----------------|------------|------------|---------|---------|----------|
|          | Ls +/- 15%     |          |                    | Resistance max. |            | A          | B       | C       | Lead     |
|          | @ 0A D.C. (uH) | D.C Amps | at rated D.C. uH   | Ohms            | for 0.8 Ls | Maximum    | Maximum | Minimum | Diameter |
| 1540M16  | 125            | 7.75     | 65                 | 0.032           | 5.25       | 1.81       | 0.75    | 0.75    | 0.06     |
| 1540M17  | 500            | 4        | 275                | 0.15            | 2.75       | 1.81       | 0.75    | 0.75    | 0.03     |
| 1540M18  | 1100           | 2.5      | 650                | 0.33            | 1.8        | 1.81       | 0.75    | 0.75    | 0.03     |
| 1540M19  | 2250           | 1.75     | 1350               | 0.92            | 1.3        | 1.81       | 0.75    | 0.75    | 0.08     |
| 1540M20  | 4500           | 1.25     | 2700               | 2.64            | 0.9        | 1.81       | 0.75    | 0.75    | 0.01     |
| 1540M21  | 250            | 8        | 125                | 0.041           | 4.75       | 2.12       | 0.94    | 0.62    | 0.06     |
| 1540M22  | 900            | 3.75     | 500                | 0.175           | 2          | 2.12       | 0.94    | 0.62    | 0.03     |
| 1540M23  | 1800           | 2.5      | 1000               | 0.55            | 1.4        | 2.12       | 0.94    | 0.62    | 0.02     |
| 1540M24  | 4000           | 1.75     | 2100               | 1.16            | 1.1        | 2.12       | 0.94    | 0.62    | 0.02     |
| 1540M25  | 8000           | 1        | 4500               | 3.34            | 0.7        | 2.12       | 0.94    | 0.62    | 0.01     |

Tags: inductor, toroid, high current, EMI, RFI, energy storage

Data subject to change without notice