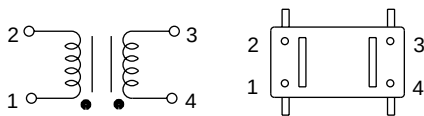
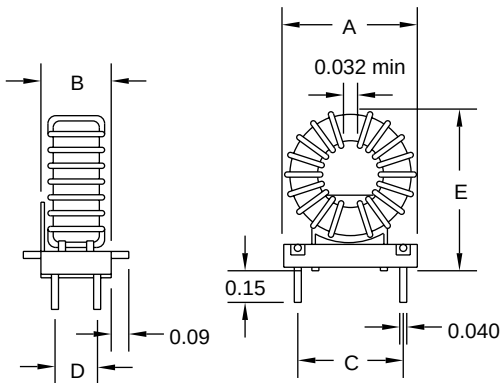


# Dual-Line Toroid Inductors

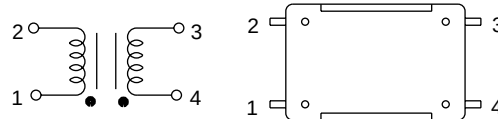
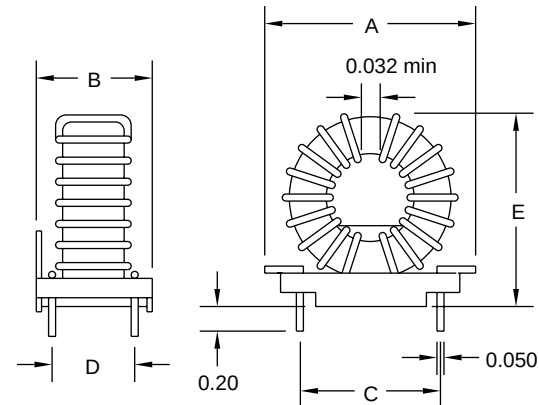
## Special Features

- Dual winding
- Low radiation
- High current capacity
- High inductance
- Dielectric strength 1000Vrms
- Mounted on VW-1 rated header
- Fixed pins for easy PCB insertion
- Operating temperature -55 to +105°C

| 7000 Series |                    |         |                       |              |             |             |               |               |             |
|-------------|--------------------|---------|-----------------------|--------------|-------------|-------------|---------------|---------------|-------------|
| Part Number | L (uH) ±15% @ 1KHz | Idc (A) | L (uH) ±15% @ I rated | DCR (Ω) Max. | Dim. A Max. | Dim. B Max. | Dim. C ±0.015 | Dim. D ±0.015 | Dim. E Max. |
| 7001        | 2.5                | 11.0    | 1.25                  | 0.004        | 0.875       | 0.425       | 0.600         | 0.250         | 1.00        |
| 7002        | 6.0                | 5.50    | 3.0                   | 0.007        | 0.875       | 0.425       | 0.600         | 0.250         | 1.00        |
| 7003        | 31.25              | 2.75    | 17.5                  | 0.060        | 0.875       | 0.425       | 0.600         | 0.250         | 1.00        |
| 7004        | 68.75              | 2.00    | 37.5                  | 0.120        | 0.875       | 0.425       | 0.600         | 0.250         | 1.00        |
| 7005        | 112.5              | 1.50    | 62.5                  | 0.245        | 0.875       | 0.425       | 0.600         | 0.250         | 1.00        |
| 7006        | 6.25               | 9.00    | 3.75                  | 0.006        | 1.125       | 0.600       | 0.800         | 0.400         | 1.25        |
| 7007        | 18.75              | 5.00    | 10                    | 0.020        | 1.125       | 0.600       | 0.800         | 0.400         | 1.25        |
| 7008        | 100                | 2.25    | 56.25                 | 0.165        | 1.125       | 0.600       | 0.800         | 0.400         | 1.25        |
| 7009        | 200                | 1.75    | 118.75                | 0.320        | 1.125       | 0.600       | 0.800         | 0.400         | 1.25        |
| 7010        | 250                | 1.50    | 143.75                | 0.470        | 1.125       | 0.600       | 0.800         | 0.400         | 1.25        |
| 7011        | 12.5               | 9.50    | 6.25                  | 0.006        | 1.25        | 0.800       | 0.900         | 0.600         | 1.375       |
| 7012        | 37.5               | 4.75    | 21.25                 | 0.023        | 1.25        | 0.800       | 0.900         | 0.600         | 1.375       |
| 7013        | 175                | 2.25    | 100                   | 0.210        | 1.25        | 0.800       | 0.900         | 0.600         | 1.375       |
| 7014        | 312.5              | 1.75    | 187.5                 | 0.430        | 1.25        | 0.800       | 0.900         | 0.600         | 1.375       |
| 7015        | 400                | 1.50    | 237.5                 | 0.640        | 1.25        | 0.800       | 0.900         | 0.600         | 1.375       |
| 7016        | 31.25              | 7.75    | 16.25                 | 0.016        | 1.812       | 0.900       | 1.20          | 0.700         | 1.95        |
| 7017        | 125                | 4.00    | 68.75                 | 0.075        | 1.812       | 0.900       | 1.20          | 0.700         | 1.95        |
| 7018        | 275                | 2.50    | 162.5                 | 0.165        | 1.812       | 0.900       | 1.20          | 0.700         | 1.95        |
| 7019        | 562.5              | 1.75    | 281.25                | 0.460        | 1.812       | 0.900       | 1.20          | 0.700         | 1.95        |
| 7020        | 1125               | 1.25    | 562.5                 | 1.320        | 1.812       | 0.900       | 1.20          | 0.700         | 1.95        |
| 7021        | 62.5               | 8.00    | 31.75                 | 0.021        | 2.125       | 1.10        | 1.50          | 0.900         | 2.25        |
| 7022        | 225                | 3.75    | 125                   | 0.088        | 2.125       | 1.10        | 1.50          | 0.900         | 2.25        |
| 7023        | 450                | 2.50    | 250                   | 0.240        | 2.125       | 1.10        | 1.50          | 0.900         | 2.25        |
| 7024        | 1000               | 1.75    | 525                   | 0.580        | 2.125       | 1.10        | 1.50          | 0.900         | 2.25        |
| 7025        | 2000               | 1.00    | 1125                  | 1.670        | 2.125       | 1.10        | 1.50          | 0.900         | 2.25        |



7001-7005



7006-7025

**J.W. Miller**  
MAGNETICS

306 E. Alondra Blvd., Gardena, CA 90247-1059 • (310) 515-1720 • FAX (310) 515-1962

[www.jwmiller.com](http://www.jwmiller.com)