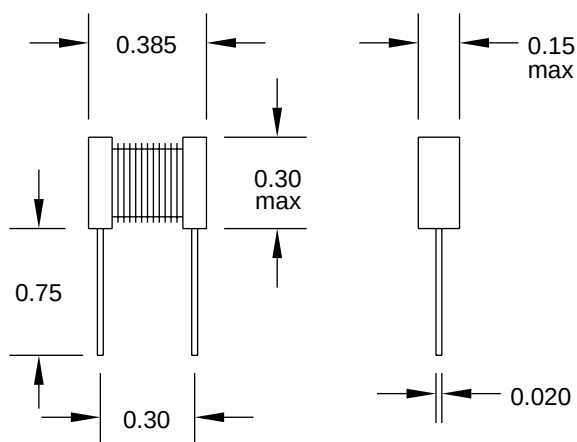


# Flat RF Chokes

## Special Features

- High Q
- Ferrite core
- Flat body construction to occupy small PCB area
- Low cost
- Varnish coated
- Operating temperature -55 to +105°C
- Rated current to cause 35°C max. temperature rise
- Saturation current to cause 5% max. inductance drop



| 3500 Series |                |           |                     |                 |                |                 |
|-------------|----------------|-----------|---------------------|-----------------|----------------|-----------------|
| Part Number | L (uH)<br>±20% | Q<br>Min. | Test Freq.<br>(MHz) | DCR (Ω)<br>Max. | I sat.<br>(mA) | I rated<br>(mA) |
| 3500-1R0M   | 1.0            | 37        | 7.96                | 0.010           | 7.0            | 3.60            |
| 3500-1R2M   | 1.2            | 39        | 7.96                | 0.012           | 6.0            | 3.30            |
| 3500-1R5M   | 1.5            | 33        | 7.96                | 0.014           | 5.0            | 3.00            |
| 3500-1R8M   | 1.8            | 37        | 7.96                | 0.020           | 4.8            | 2.50            |
| 3500-2R2M   | 2.2            | 38        | 7.96                | 0.025           | 4.4            | 2.30            |
| 3500-2R7M   | 2.7            | 43        | 7.96                | 0.028           | 4.0            | 2.20            |
| 3500-3R3M   | 3.3            | 35        | 7.96                | 0.036           | 3.7            | 1.90            |
| 3500-3R9M   | 3.9            | 37        | 7.96                | 0.050           | 3.4            | 1.60            |
| 3500-4R7M   | 4.7            | 37        | 7.96                | 0.053           | 3.2            | 1.50            |
| 3500-5R6M   | 5.6            | 35        | 7.96                | 0.092           | 2.8            | 1.20            |
| 3500-6R8M   | 6.8            | 29        | 7.96                | 0.113           | 2.6            | 1.10            |
| 3500-8R2M   | 8.2            | 32        | 7.96                | 0.116           | 2.2            | 1.10            |
| ±10%        |                |           |                     |                 |                |                 |
| 3500-100K   | 10             | 31        | 7.96                | 0.120           | 2.1            | 1.00            |
| 3500-120K   | 12             | 55        | 2.52                | 0.140           | 2.0            | 0.96            |
| 3500-150K   | 15             | 51        | 2.52                | 0.158           | 1.6            | 0.91            |
| 3500-180K   | 18             | 46        | 2.52                | 0.180           | 1.5            | 0.85            |
| 3500-220K   | 22             | 51        | 2.52                | 0.230           | 1.4            | 0.75            |
| 3500-270K   | 27             | 52        | 2.52                | 0.265           | 1.3            | 0.70            |
| 3500-330K   | 33             | 47        | 2.52                | 0.346           | 1.2            | 0.61            |
| 3500-390K   | 39             | 46        | 2.52                | 0.371           | 1.1            | 0.59            |
| 3500-470K   | 47             | 45        | 2.52                | 0.502           | 1.0            | 0.51            |
| 3500-560K   | 56             | 45        | 2.52                | 0.687           | 0.95           | 0.44            |
| 3500-680K   | 68             | 46        | 2.52                | 0.888           | 0.90           | 0.38            |
| 3500-820K   | 82             | 53        | 2.52                | 1.20            | 0.85           | 0.33            |
| 3500-101K   | 100            | 39        | 0.796               | 1.50            | 0.80           | 0.29            |
| 3500-121K   | 120            | 75        | 0.796               | 1.73            | 0.65           | 0.27            |
| 3500-151K   | 150            | 60        | 0.796               | 1.96            | 0.60           | 0.26            |
| 3500-181K   | 180            | 75        | 0.796               | 2.07            | 0.56           | 0.25            |
| 3500-221K   | 220            | 63        | 0.796               | 2.19            | 0.49           | 0.24            |
| 3500-271K   | 270            | 68        | 0.796               | 2.53            | 0.45           | 0.23            |
| 3500-331K   | 330            | 64        | 0.796               | 3.34            | 0.41           | 0.20            |
| 3500-391K   | 390            | 60        | 0.796               | 3.45            | 0.39           | 0.19            |
| 3500-471K   | 470            | 70        | 0.796               | 5.29            | 0.35           | 0.16            |
| 3500-561K   | 560            | 68        | 0.796               | 5.41            | 0.32           | 0.16            |
| 3500-681K   | 680            | 64        | 0.796               | 5.93            | 0.29           | 0.15            |
| 3500-821K   | 820            | 60        | 0.796               | 6.33            | 0.27           | 0.14            |
| 3500-102K   | 1000           | 40        | 0.796               | 7.31            | 0.25           | 0.14            |
| 3500-122K   | 1200           | 70        | 0.252               | 10.0            | 0.2            | 0.11            |
| 3500-152K   | 1500           | 72        | 0.252               | 14.3            | 0.19           | 0.10            |
| 3500-182K   | 1800           | 72        | 0.252               | 15.8            | 0.17           | 0.091           |
| 3500-222K   | 2200           | 72        | 0.252               | 17.6            | 0.15           | 0.086           |
| 3500-272K   | 2700           | 72        | 0.252               | 19.3            | 0.14           | 0.082           |
| 3500-332K   | 3300           | 72        | 0.252               | 21.7            | 0.13           | 0.077           |
| 3500-392K   | 3900           | 70        | 0.252               | 26.0            | 0.12           | 0.071           |
| 3500-472K   | 4700           | 63        | 0.252               | 29.9            | 0.11           | 0.066           |
| 3500-752K   | 7500           | 20        | 0.252               | 55.0            | 0.08           | 0.045           |
| 3500-103K   | 10,000         | 40        | 0.0796              | 80.0            | 0.07           | 0.040           |

**J.W. Miller**  
M A G N E T I C S

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

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