

# Shielded, Molded RF Chokes

## Special Features

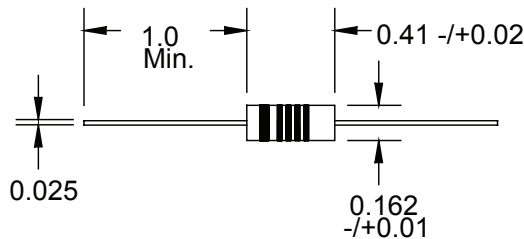
- Ferrite magnetic shielded for low radiation
- High Q, high reliability
- Injection molded to protect coil from extreme environment
- Flame retardant coating
- Consistent body dimension
- Color band or numerical marking identification
- Dielectric strength 1000VRMS
- Operating temperature -55 to +105°C

## Notes

\* Rated current to cause 35°C maximum temperature rise

\*\* Incremental current to cause 5% max. inductance drop

**J.W. Miller recommends using the 9250A Series as a replacement for the 9250 Series**



Dimensions: Inches

| 9250 Series |             |        |                  |                |            |             |                 |
|-------------|-------------|--------|------------------|----------------|------------|-------------|-----------------|
| Part Number | L (μH) ±10% | Q Min. | Test Freq. (MHz) | SRF (MHz) Min. | DCR Ω Max. | I, DC* (mA) | I, Incr.** (mA) |
| 9250-101    | 0.10        | 50     | 25               | 250            | 0.025      | 1790        | 1790            |
| 9250-121    | 0.12        | 51     | 25               | 250            | 0.034      | 1530        | 1530            |
| 9250-151    | 0.15        | 51     | 25               | 250            | 0.037      | 1470        | 1470            |
| 9250-181    | 0.18        | 50     | 25               | 250            | 0.047      | 1300        | 1300            |
| 9250-221    | 0.22        | 49     | 25               | 250            | 0.067      | 1100        | 1100            |
| 9250-271    | 0.27        | 47     | 25               | 250            | 0.11       | 855         | 855             |
| 9250-331    | 0.33        | 46     | 25               | 250            | 0.13       | 780         | 780             |
| 9250-391    | 0.39        | 44     | 25               | 250            | 0.18       | 670         | 670             |
| 9250-471    | 0.47        | 44     | 25               | 235            | 0.25       | 565         | 565             |
| 9250-561    | 0.56        | 43     | 25               | 210            | 0.33       | 490         | 490             |
| 9250-681    | 0.68        | 42     | 25               | 190            | 0.45       | 420         | 420             |
| 9250-821    | 0.82        | 40     | 25               | 180            | 0.59       | 370         | 370             |
| 9250-102    | 1.0         | 44     | 25               | 140            | 0.07       | 1070        | 1070            |
| 9250-122    | 1.2         | 44     | 7.9              | 130            | 0.10       | 895         | 895             |
| 9250-152    | 1.5         | 44     | 7.9              | 115            | 0.12       | 815         | 815             |
| 9250-182    | 1.8         | 44     | 7.9              | 105            | 0.14       | 775         | 775             |
| 9250-222    | 2.2         | 44     | 7.9              | 100            | 0.19       | 650         | 650             |
| 9250-272    | 2.7         | 44     | 7.9              | 92             | 0.28       | 535         | 535             |
| 9250-332    | 3.3         | 44     | 7.9              | 85             | 0.35       | 480         | 480             |
| 9250-392    | 3.9         | 44     | 7.9              | 75             | 0.40       | 450         | 450             |
| 9250-472    | 4.7         | 44     | 7.9              | 70             | 0.55       | 380         | 380             |
| 9250-562    | 5.6         | 44     | 7.9              | 65             | 0.72       | 335         | 335             |
| 9250-682    | 6.8         | 50     | 7.9              | 55             | 1.02       | 280         | 280             |
| 9250-822    | 8.2         | 50     | 7.9              | 50             | 1.32       | 250         | 250             |
| 9250-103    | 10          | 50     | 7.9              | 46             | 1.62       | 220         | 220             |
| 9250-123    | 12          | 55     | 2.5              | 44             | 2.0        | 200         | 200             |
| 9250-153    | 15          | 45     | 2.5              | 49             | 0.80       | 315         | 250             |
| 9250-183    | 18          | 45     | 2.5              | 45             | 0.89       | 300         | 235             |
| 9250-223    | 22          | 45     | 2.5              | 41             | 0.96       | 290         | 220             |
| 9250-273    | 27          | 45     | 2.5              | 38             | 1.19       | 260         | 200             |
| 9250-333    | 33          | 45     | 2.5              | 34             | 1.37       | 240         | 190             |
| 9250-393    | 39          | 50     | 2.5              | 29             | 1.93       | 205         | 180             |
| 9250-473    | 47          | 50     | 2.5              | 27             | 2.11       | 195         | 175             |
| 9250-563    | 56          | 50     | 2.5              | 25             | 2.23       | 190         | 160             |
| 9250-683    | 68          | 50     | 2.5              | 21             | 2.70       | 170         | 150             |
| 9250-823    | 82          | 50     | 2.5              | 10.5           | 2.44       | 180         | 140             |
| 9250-104    | 100         | 50     | 2.5              | 10.0           | 3.12       | 160         | 120             |
| 9250-124    | 120         | 55     | 0.79             | 9.7            | 3.6        | 150         | 95              |
| 9250-154    | 150         | 55     | 0.79             | 8.5            | 4.1        | 140         | 90              |
| 9250-184    | 180         | 55     | 0.79             | 8.0            | 4.4        | 135         | 85              |
| 9250-224    | 220         | 55     | 0.79             | 7.5            | 5.0        | 125         | 80              |
| 9250-274    | 270         | 55     | 0.79             | 7.0            | 5.8        | 115         | 70              |
| 9250-334    | 330         | 55     | 0.79             | 6.5            | 6.4        | 110         | 65              |
| 9250-394    | 390         | 60     | 0.79             | 6.2            | 7.4        | 105         | 60              |
| 9250-474    | 470         | 60     | 0.79             | 5.7            | 9.5        | 92          | 58              |
| 9250-564    | 560         | 60     | 0.79             | 4.7            | 10.5       | 90          | 55              |
| 9250-684    | 680         | 60     | 0.79             | 4.5            | 11.8       | 80          | 50              |
| 9250-824    | 820         | 60     | 0.79             | 4.2            | 13.0       | 80          | 45              |

Also available as RoHS compliant.

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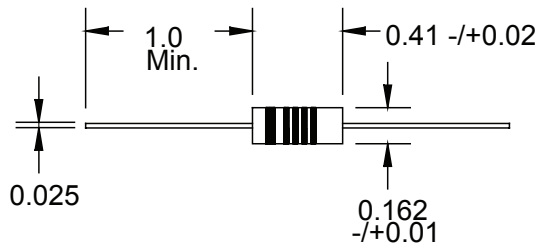
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**J.W. Miller recommends using the 9250A Series as a replacement for the 9250 Series**

| 9250 Series continued |             |        |                  |                |            |             |                 |
|-----------------------|-------------|--------|------------------|----------------|------------|-------------|-----------------|
| Part Number           | L (μH) ±10% | Q Min. | Test Freq. (MHz) | SRF (MHz) Min. | DCR Ω Max. | I, DC* (mA) | I, Incr.** (mA) |
| 9250-105              | 1000        | 60     | 0.79             | 3.8            | 17.5       | 70          | 40              |
| 9250-125              | 1200        | 45     | 0.25             | 1.5            | 22.1       | 60          | 35              |
| 9250-155              | 1500        | 45     | 0.25             | 1.2            | 26.5       | 55          | 33              |
| 9250-185              | 1800        | 45     | 0.25             | 1.0            | 29.9       | 50          | 30              |
| 9250-225              | 2200        | 45     | 0.25             | 0.97           | 33.8       | 50          | 27              |
| 9250-275              | 2700        | 45     | 0.25             | 0.92           | 47.3       | 40          | 25              |
| 9250-335              | 3300        | 45     | 0.25             | 0.84           | 53.0       | 40          | 22              |
| 9250-395              | 3900        | 45     | 0.25             | 0.80           | 73.8       | 35          | 20              |
| 9250-475              | 4700        | 45     | 0.25             | 0.74           | 81.6       | 31          | 19              |
| 9250-565              | 5600        | 44     | 0.25             | 0.73           | 98.9       | 28          | 17              |
| 9250-685              | 6800        | 40     | 0.25             | 0.66           | 111        | 27          | 16              |
| 9250-825              | 8200        | 40     | 0.25             | 0.54           | 119        | 26          | 15              |
| 9250-106              | 10,000      | 40     | 0.25             | 0.47           | 137        | 24          | 14              |
| 9250-126              | 12,000      | 30     | 0.079            | 0.33           | 143        | 23          | 13              |
| 9250-156              | 15,000      | 30     | 0.079            | 0.29           | 157        | 22          | 12              |
| 9250-186              | 18,000      | 30     | 0.079            | 0.28           | 175        | 21          | 10              |
| 9250-226              | 22,000      | 27     | 0.079            | 0.25           | 274        | 17          | 9               |
| 9250-276              | 27,000      | 27     | 0.079            | 0.21           | 308        | 16          | 8               |
| 9250-336              | 33,000      | 27     | 0.079            | 0.19           | 343        | 15          | 7.5             |
| 9250-396              | 39,000      | 27     | 0.079            | 0.17           | 376        | 15          | 6               |
| 9250-476              | 47,000      | 23     | 0.079            | 0.16           | 473        | 13          | 5.5             |
| 9250-566              | 56,000      | 23     | 0.079            | 0.14           | 512        | 13          | 5               |
| 9250-686              | 68,000      | 23     | 0.079            | 0.13           | 580        | 12          | 4               |
| 9250-826              | 82,000      | 21     | 0.079            | 0.12           | 618        | 11          | 3.5             |
| 9250-107              | 100,000     | 18     | 0.079            | 0.11           | 678        | 11          | 3               |

Also available as RoHS compliant.



Dimensions: Inches

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