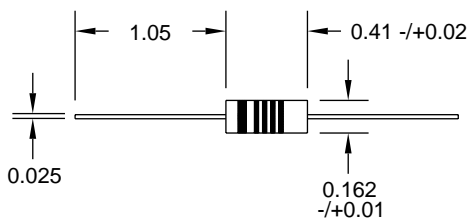


Shielded, Molded RF Chokes

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 identification
- Dielectric strength 1000Vrms
- Operating temperature -55 to +105°C
- Rated current to cause 35°C maximum temperature rise
- Incremental current to cause 5% max. inductance drop



| 9250 Series | | | | | | | | |
|-------------|-------------|--------|------------------|----------------|--------------|------------|---------------|---------------|
| Part Number | L (uH) ±10% | Q Min. | Test Freq. (MHz) | SRF (MHz) Min. | DCR (Ω) Max. | I, DC (mA) | I, Incr. (mA) | Core Material |
| 9250-101 | 0.10 | 50 | 25.6 | 250 | 0.025 | 1790 | 1790 | Phenolic |
| 9250-121 | 0.12 | 51 | 25.6 | 250 | 0.034 | 1530 | 1530 | Phenolic |
| 9250-151 | 0.15 | 51 | 25.6 | 250 | 0.037 | 1470 | 1470 | Phenolic |
| 9250-181 | 0.18 | 50 | 25.6 | 250 | 0.047 | 1300 | 1300 | Phenolic |
| 9250-221 | 0.22 | 49 | 25.6 | 250 | 0.067 | 1100 | 1100 | Phenolic |
| 9250-271 | 0.27 | 47 | 25.6 | 250 | 0.11 | 855 | 855 | Phenolic |
| 9250-331 | 0.33 | 46 | 25.6 | 250 | 0.13 | 780 | 780 | Phenolic |
| 9250-391 | 0.39 | 44 | 25.6 | 250 | 0.18 | 670 | 670 | Phenolic |
| 9250-471 | 0.47 | 44 | 25.6 | 235 | 0.25 | 565 | 565 | Phenolic |
| 9250-561 | 0.56 | 43 | 25.6 | 210 | 0.33 | 490 | 490 | Phenolic |
| 9250-681 | 0.68 | 42 | 25.6 | 190 | 0.45 | 420 | 420 | Phenolic |
| 9250-821 | 0.82 | 40 | 25.6 | 180 | 0.59 | 370 | 370 | Phenolic |
| 9250-102 | 1.0 | 44 | 25.6 | 140 | 0.07 | 1070 | 1070 | Iron |
| 9250-122 | 1.2 | 44 | 7.96 | 130 | 0.10 | 895 | 895 | Iron |
| 9250-152 | 1.5 | 44 | 7.96 | 115 | 0.12 | 815 | 815 | Iron |
| 9250-182 | 1.8 | 44 | 7.96 | 105 | 0.14 | 775 | 775 | Iron |
| 9250-222 | 2.2 | 44 | 7.96 | 100 | 0.19 | 650 | 650 | Iron |
| 9250-272 | 2.7 | 44 | 7.96 | 92 | 0.28 | 535 | 535 | Iron |
| 9250-332 | 3.3 | 44 | 7.96 | 85 | 0.35 | 480 | 480 | Iron |
| 9250-392 | 3.9 | 44 | 7.96 | 75 | 0.40 | 450 | 450 | Iron |
| 9250-472 | 4.7 | 44 | 7.96 | 70 | 0.55 | 380 | 380 | Iron |
| 9250-562 | 5.6 | 44 | 7.96 | 65 | 0.72 | 335 | 335 | Iron |
| 9250-682 | 6.8 | 50 | 7.96 | 55 | 1.02 | 280 | 280 | Iron |
| 9250-822 | 8.2 | 50 | 7.96 | 50 | 1.32 | 250 | 250 | Iron |
| 9250-103 | 10 | 50 | 2.52 | 46 | 1.62 | 220 | 220 | Iron |
| 9250-123 | 12 | 55 | 2.52 | 44 | 2.0 | 200 | 200 | Ferrite |
| 9250-153 | 15 | 45 | 2.52 | 49 | 0.80 | 315 | 250 | Ferrite |
| 9250-183 | 18 | 45 | 2.52 | 45 | 0.89 | 300 | 235 | Ferrite |
| 9250-223 | 22 | 45 | 2.52 | 41 | 0.96 | 290 | 220 | Ferrite |
| 9250-273 | 27 | 45 | 2.52 | 38 | 1.19 | 260 | 200 | Ferrite |
| 9250-333 | 33 | 45 | 2.52 | 34 | 1.37 | 240 | 190 | Ferrite |
| 9250-393 | 39 | 50 | 2.52 | 29 | 1.93 | 205 | 180 | Ferrite |
| 9250-473 | 47 | 50 | 2.52 | 27 | 2.11 | 195 | 175 | Ferrite |
| 9250-563 | 56 | 50 | 2.52 | 25 | 2.23 | 190 | 160 | Ferrite |
| 9250-683 | 68 | 50 | 2.52 | 21 | 2.70 | 170 | 150 | Ferrite |
| 9250-823 | 82 | 50 | 2.52 | 10.5 | 2.44 | 180 | 140 | Ferrite |
| 9250-104 | 100 | 50 | 0.796 | 10.0 | 3.12 | 160 | 120 | Ferrite |
| 9250-124 | 120 | 55 | 0.796 | 9.7 | 3.6 | 150 | 95 | Ferrite |
| 9250-154 | 150 | 55 | 0.796 | 8.5 | 4.1 | 140 | 90 | Ferrite |
| 9250-184 | 180 | 55 | 0.796 | 8.0 | 4.4 | 135 | 85 | Ferrite |
| 9250-224 | 220 | 55 | 0.796 | 7.5 | 5.0 | 125 | 80 | Ferrite |
| 9250-274 | 270 | 55 | 0.796 | 7.0 | 5.8 | 115 | 70 | Ferrite |
| 9250-334 | 330 | 55 | 0.796 | 6.5 | 6.4 | 110 | 65 | Ferrite |
| 9250-394 | 390 | 60 | 0.796 | 6.2 | 7.4 | 105 | 60 | Ferrite |
| 9250-474 | 470 | 60 | 0.796 | 5.7 | 9.5 | 92 | 58 | Ferrite |
| 9250-564 | 560 | 60 | 0.796 | 4.7 | 10.5 | 90 | 55 | Ferrite |
| 9250-684 | 680 | 60 | 0.796 | 4.5 | 11.8 | 80 | 50 | Ferrite |
| 9250-824 | 820 | 60 | 0.796 | 4.2 | 13.0 | 80 | 45 | Ferrite |

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J.W. Miller
MAGNETICS

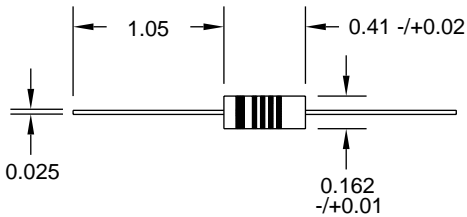
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| 9250 Series continued | | | | | | | | |
|-----------------------|----------------|-----------|---------------------|----------------------|--------------------|---------------|------------------|---------------|
| Part Number | L (uH) ±10% | Q Min. | Test Freq. (MHz) | SRF (MHz) Min. | DCR (Ω) Max. | I, DC (mA) | I, Incr. (mA) | Core Material |
| 9250-105 | 1000 | 60 | 0.796 | 3.8 | 17.5 | 70 | 40 | Ferrite |
| 9250-125 | 1200 | 45 | 0.256 | 1.5 | 22.1 | 60 | 35 | Ferrite |
| 9250-155 | 1500 | 45 | 0.256 | 1.2 | 26.5 | 55 | 33 | Ferrite |
| 9250-185 | 1800 | 45 | 0.256 | 1.0 | 29.9 | 50 | 30 | Ferrite |
| 9250-225 | 2200 | 45 | 0.256 | 0.97 | 33.8 | 50 | 27 | Ferrite |
| 9250-275 | 2700 | 45 | 0.256 | 0.92 | 47.3 | 40 | 25 | Ferrite |
| 9250-335 | 3300 | 45 | 0.256 | 0.84 | 53.0 | 40 | 22 | Ferrite |
| 9250-395 | 3900 | 45 | 0.256 | 0.80 | 73.8 | 35 | 20 | Ferrite |
| 9250-475 | 4700 | 45 | 0.256 | 0.74 | 81.6 | 31 | 19 | Ferrite |
| 9250-565 | 5600 | 44 | 0.256 | 0.73 | 98.9 | 28 | 17 | Ferrite |
| 9250-685 | 6800 | 40 | 0.256 | 0.66 | 111 | 27 | 16 | Ferrite |
| 9250-825 | 8200 | 40 | 0.256 | 0.54 | 119 | 26 | 15 | Ferrite |
| 9250-106 | 10,000 | 40 | 0.256 | 0.47 | 137 | 24 | 14 | Ferrite |
| 9250-126 | 12,000 | 30 | 0.0796 | 0.33 | 143 | 23 | 13 | Ferrite |
| 9250-156 | 15,000 | 30 | 0.0796 | 0.29 | 157 | 22 | 12 | Ferrite |
| 9250-186 | 18,000 | 30 | 0.0796 | 0.28 | 175 | 21 | 10 | Ferrite |
| 9250-226 | 22,000 | 27 | 0.0796 | 0.25 | 274 | 17 | 9 | Ferrite |
| 9250-276 | 27,000 | 27 | 0.0796 | 0.21 | 308 | 16 | 8 | Ferrite |
| 9250-336 | 33,000 | 27 | 0.0796 | 0.19 | 343 | 15 | 7.5 | Ferrite |
| 9250-396 | 39,000 | 27 | 0.0796 | 0.17 | 376 | 15 | 6 | Ferrite |
| 9250-476 | 47,000 | 23 | 0.0796 | 0.16 | 473 | 13 | 5.5 | Ferrite |
| 9250-566 | 56,000 | 23 | 0.0796 | 0.14 | 512 | 13 | 5 | Ferrite |
| 9250-686 | 68,000 | 23 | 0.0796 | 0.13 | 580 | 12 | 4 | Ferrite |
| 9250-826 | 82,000 | 21 | 0.0796 | 0.12 | 618 | 11 | 3.5 | Ferrite |
| 9250-107 | 100,000 | 18 | 0.0796 | 0.11 | 678 | 11 | 3 | Ferrite |

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M A G N E T I C S

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