

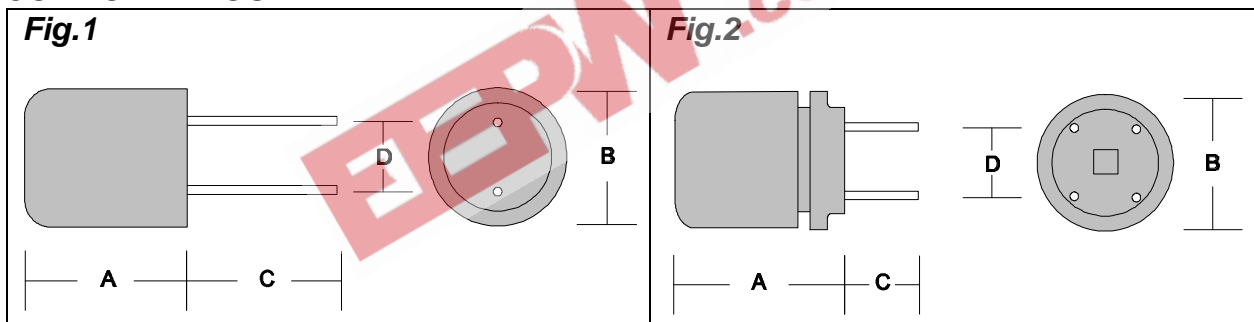
FS Series

- Ultra High Inductance Values
- Ferrite Shielded
- Excellent 'Q'
- Typical Pack Size 5000pcs



The FS range of shielded radial inductors from ECM is available in 2 basic configurations. Both variations offer excellent ferrite shielding characteristics and high 'Q'. The FSB type features hard wire pins for ease of automatic assembly.

COMPONENT OUTLINE

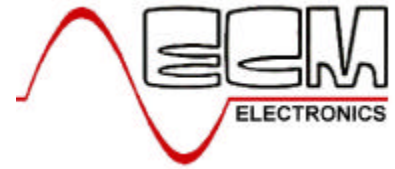


(1 = FS1012 Type, 2 = FSB1014 Type)

DIMENSIONS (mm)

| ECM Type | Inductance Range | Outline (Fig.) | A (mm) | B (mm) | C (mm) | D (mm) | Pin Dia. (mm) |
|----------|------------------|----------------|--------|--------|--------|--------|---------------|
| FS1012 | 1.2mH~1.2H | 1 | 13.5 | 11.0 | 10.0 | 5.0 | 0.65 |
| FSB1014 | 1.0mH~120mH | 2 | 14.0 | 11.0 | 3.5 | 5.0 | 0.70 |

ECM Shielded Radial Inductors



| ECM Part | L (mH) | Tol % | Q Min. (**MHz) | R _{DC} MAX (W) | I _{DC} I _N (mA) |
|----------|--------|-------|----------------|-------------------------|-------------------------------------|
|----------|--------|-------|----------------|-------------------------|-------------------------------------|

FS1012 Series

| | | | | | |
|------------|-----------------|-----|-----|--------|-----|
| FS1012-122 | 1.2 @0.252 MHz | J,K | 50 | 1.20 | 200 |
| FS1012-152 | 1.5 @0.252 MHz | J,K | 50 | 1.50 | 200 |
| FS1012-152 | 1.8 @0.252 MHz | J,K | 50 | 1.60 | 200 |
| FS1012-222 | 2.2 @0.252 MHz | J,K | 50 | 1.80 | 200 |
| FS1012-272 | 2.7 @0.252 MHz | J,K | 40 | 1.90 | 200 |
| FS1012-332 | 3.3 @0.252 MHz | J,K | 40 | 2.30 | 200 |
| FS1012-392 | 3.9 @0.252 MHz | J,K | 40 | 2.50 | 200 |
| FS1012-472 | 4.7 @0.252 MHz | J,K | 40 | 3.70 | 140 |
| FS1012-502 | 5.0 @0.252 MHz | J,K | 40 | 3.80 | 140 |
| FS1012-562 | 5.6 @0.252 MHz | J,K | 40 | 4.00 | 140 |
| FS1012-682 | 6.8 @0.252 MHz | J,K | 40 | 4.20 | 140 |
| FS1012-822 | 8.2 @0.252 MHz | J,K | 100 | 5.30 | 140 |
| FS1012-103 | 10 @0.079 MHz | J,K | 100 | 7.30 | 100 |
| FS1012-123 | 12 @0.079 MHz | J,K | 100 | 8.30 | 100 |
| FS1012-153 | 15 @0.079 MHz | J,K | 100 | 11.00 | 90 |
| FS1012-183 | 18 @0.079 MHz | J,K | 100 | 13.60 | 75 |
| FS1012-223 | 22 @0.079 MHz | J,K | 100 | 15.40 | 75 |
| FS1012-273 | 27 @0.079 MHz | J,K | 100 | 17.90 | 75 |
| FS1012-333 | 33 @0.079 MHz | J,K | 100 | 23.30 | 60 |
| FS1012-393 | 39 @0.079 MHz | J,K | 100 | 25.90 | 60 |
| FS1012-473 | 47 @0.079 MHz | J,K | 80 | 30.40 | 60 |
| FS1012-503 | 50 @0.079 MHz | J,K | 80 | 37.80 | 50 |
| FS1012-563 | 56 @0.079 MHz | J,K | 80 | 39.10 | 50 |
| FS1012-683 | 68 @0.079 MHz | J,K | 80 | 40.00 | 50 |
| FS1012-823 | 82 @0.079 MHz | J,K | 50 | 47.00 | 40 |
| FS1012-104 | 100 @0.025 MHz | J,K | 50 | 50.00 | 40 |
| FS1012-124 | 120 @0.025 MHz | J,K | 120 | 91.00 | 30 |
| FS1012-154 | 150 @0.025 MHz | J,K | 100 | 140.00 | 20 |
| FS1012-184 | 180 @0.025 MHz | J,K | 90 | 164.00 | 20 |
| FS1012-224 | 220 @0.025 MHz | J,K | 90 | 182.00 | 20 |
| FS1012-274 | 270 @0.025 MHz | J,K | 90 | 200.00 | 20 |
| FS1012-334 | 330 @0.025 MHz | J,K | 80 | 275.00 | 15 |
| FS1012-394 | 390 @0.025 MHz | J,K | 80 | 300.00 | 15 |
| FS1012-474 | 470 @0.025 MHz | J,K | 80 | 345.00 | 15 |
| FS1012-564 | 560 @0.025 MHz | J,K | 60 | 520.00 | 8.4 |
| FS1012-684 | 680 @0.025 MHz | J,K | 60 | 590.00 | 8.4 |
| FS1012-824 | 820 @0.025 MHz | J,K | 50 | 675.00 | 8.4 |
| FS1012-105 | 1000 @0.025 MHz | J,K | 50 | 770.00 | 8.4 |
| FS1012-125 | 1200 @0.025 MHz | J,K | 50 | 845.00 | 8.4 |

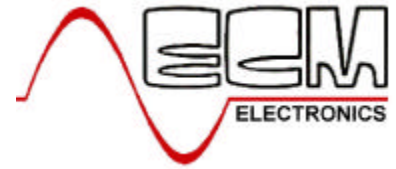
TOLERANCES J=5%; K= 10%.

** = Test Frequency as specified in 'L' column

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Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

ECM Shielded Radial Inductors



| ECM Part | L (mH) | Tol % | Q Min. (**MHz) | R_{DC} MAX (W) | I_{DC} I_N (mA) |
|-----------------|---------------|--------------|-----------------------|-------------------------------|------------------------------------------|
|-----------------|---------------|--------------|-----------------------|-------------------------------|------------------------------------------|

FSB1014 Series

| | | | | | |
|-------------|----------------|-----|----|--------|-----|
| FSB1014-102 | 1.0 @0.252 MHz | J,K | 15 | 2.00 | 270 |
| FSB1014-122 | 1.2 @0.252 MHz | J,K | 15 | 2.30 | 250 |
| FSB1014-152 | 1.5 @0.252 MHz | J,K | 15 | 2.70 | 220 |
| FSB1014-182 | 1.8 @0.252 MHz | J,K | 15 | 3.00 | 220 |
| FSB1014-222 | 2.2 @0.252 MHz | J,K | 15 | 3.80 | 200 |
| FSB1014-272 | 2.7 @0.252 MHz | J,K | 15 | 4.50 | 180 |
| FSB1014-332 | 3.3 @0.252 MHz | J,K | 20 | 6.00 | 160 |
| FSB1014-392 | 3.9 @0.252 MHz | J,K | 20 | 7.80 | 120 |
| FSB1014-472 | 4.7 @0.252 MHz | J,K | 20 | 10.50 | 120 |
| FSB1014-562 | 5.6 @0.252 MHz | J,K | 20 | 11.00 | 100 |
| FSB1014-682 | 6.8 @0.252 MHz | J,K | 20 | 11.80 | 100 |
| FSB1014-822 | 8.2 @0.252 MHz | J,K | 20 | 13.20 | 100 |
| FSB1014-103 | 10 @0.252 MHz | J,K | 60 | 17.60 | 90 |
| FSB1014-123 | 12 @0.079 MHz | J,K | 60 | 22.50 | 75 |
| FSB1014-153 | 15 @0.079 MHz | J,K | 60 | 25.00 | 75 |
| FSB1014-183 | 18 @0.079 MHz | J,K | 60 | 32.00 | 60 |
| FSB1014-223 | 22 @0.079 MHz | J,K | 60 | 36.00 | 60 |
| FSB1014-273 | 27 @0.079 MHz | J,K | 60 | 46.00 | 50 |
| FSB1014-333 | 33 @0.079 MHz | J,K | 60 | 54.00 | 50 |
| FSB1014-393 | 39 @0.079 MHz | J,K | 45 | 72.00 | 40 |
| FSB1014-473 | 47 @0.079 MHz | J,K | 45 | 76.00 | 40 |
| FSB1014-563 | 56 @0.079 MHz | J,K | 45 | 89.00 | 40 |
| FSB1014-683 | 68 @0.079 MHz | J,K | 30 | 123.00 | 30 |
| FSB1014-823 | 82 @0.079 MHz | J,K | 30 | 135.00 | 30 |
| FSB1014-104 | 100 @0.025 MHz | J,K | 45 | 205.00 | 20 |
| FSB1014-124 | 120 @0.025 MHz | J,K | 45 | 228.00 | 20 |

TOLERANCES J=5%; K= 10%.

** = Test Frequency as specified in 'L' column

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