



Established Reliability Inductors

| Physical Parameters and Environmental Characteristics | ER1641 | | | ER1840 | | ER1537 | | ER1025 | | |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|-----------------------|
| | MIL-PRF-39010/01 | MIL-PRF-39010/02 | MIL-PRF-39010/03 | MIL-PRF-39010/04 | MIL-PRF-39010/05 | MIL-PRF-39010/06 | MIL-PRF-39010/07 | MIL-PRF-39010/08 | MIL-PRF-39010/09 | MIL-PRF-39010/10 |
| Inductance Range, μH | 0.10 to 0.82 | 0.91 to 12.0 | 15 to 1000 | 0.15 to 2.7 | 3.0 to 27.0 | 0.15 to 4.7 | 5.1 to 240.0 | 0.10 to 1.00 | 1.1 to 27.0 | 30 to 1000 |
| Core Material | Phenolic | Iron | Ferrite | Phenolic | Iron | Phenolic | Iron | Phenolic | Iron | Ferrite |
| Sleeve | Iron | Iron | Ferrite | — | — | — | — | — | — | — |
| Length, Inches | 0.410 ± 0.020 | 0.410 ± 0.020 | 0.410 ± 0.020 | 0.437 ± 0.01 | 0.437 ± 0.01 | 0.375 ± 0.010 | 0.375 ± 0.010 | 0.250 ± 0.010 | 0.250 ± 0.010 | 0.250 ± 0.010 |
| Millimeters | 10.41 ± 0.51 | 10.41 ± 0.51 | 10.41 ± 0.51 | 11.10 ± 0.25 | 11.10 ± 0.25 | 9.53 ± 0.25 | 9.53 ± 0.25 | 6.35 ± 0.25 | 6.35 ± 0.25 | 6.35 ± 0.25 |
| Diameter, Inches | 0.162 ± 0.010 | 0.162 ± 0.010 | 0.162 ± 0.010 | 0.187 ± 0.010 | 0.187 ± 0.010 | 0.156 ± 0.010 | 0.156 ± 0.010 | 0.095 ± 0.010 | 0.095 ± 0.010 | 0.095 ± 0.010 |
| Millimeters | 4.11 ± 0.25 | 4.11 ± 0.25 | 4.11 ± 0.25 | 4.75 ± 0.25 | 4.75 ± 0.25 | 3.96 ± 0.25 | 3.96 ± 0.25 | 2.41 ± 0.25 | 2.41 ± 0.25 | 2.41 ± 0.25 |
| Lead Size — AWG # | #22 TCW | #22 TCW | #22 TCW | #22 TCW | #22 TCW | #22 TCW | #22 TCW | #24 TCW | #24 TCW | #24 TCW |
| Inches | 0.025 ± 0.002 | 0.025 ± 0.002 | 0.025 ± 0.002 | 0.025 ± 0.002 | 0.025 ± 0.002 | 0.025 ± 0.002 | 0.025 ± 0.002 | 0.020 ± 0.0015 | 0.020 ± 0.0015 | 0.020 ± 0.0015 |
| Millimeters | 0.635 ± 0.051 | 0.635 ± 0.051 | 0.635 ± 0.051 | 0.635 ± 0.051 | 0.635 ± 0.051 | 0.635 ± 0.051 | 0.635 ± 0.051 | 0.51 ± 0.04 | 0.51 ± 0.04 | 0.51 ± 0.04 |
| Lead Length, Inches | 1.438 ± 0.188 | 1.438 ± 0.188 | 1.438 ± 0.188 | 1.438 ± 0.188 | 1.438 ± 0.188 | 1.438 ± 0.188 | 1.438 ± 0.188 | 1.438 ± 0.188 | 1.438 ± 0.188 | 1.438 ± 0.188 |
| Millimeters | 36.53 ± 4.77 | 36.53 ± 4.77 | 36.53 ± 4.77 | 36.58 ± 3.05 | 36.58 ± 3.05 | 36.53 ± 4.77 | 36.53 ± 4.77 | 36.53 ± 4.77 | 36.53 ± 4.77 | 36.53 ± 4.77 |
| Weight Max. (Grams) | 0.85 | 1.0 | 1.0 | 0.95 | 0.95 | 0.9 | 0.9 | 0.3 | 0.3 | 0.3 |
| Current Rating at 90°C, Max. Rise °C | 15 | 15 | 15 | 35 | 15 | 35 | 15 | 35 | 15 | 15 |
| Operating Temp. °C | -55 to +105 | -55 to +105 | -55 to +105 | -55 to +125 | -55 to +105 | -55 to +125 | -55 to +105 | -55 to +125 | -55 to +105 | -55 to +105 |
| Max. Power Dissipation at 90°C, Watts | 0.11 | 0.11 | 0.11 | 0.385 | 0.385 | 0.312 | 0.134 | 0.21 | 0.09 | 0.073 |
| Coupling | 3% Max. | 3% Max. | 3% Max. | — | — | — | — | — | — | — |
| Body Color | Black | Black | Black | Tan | Tan | Tan | Tan | Tan | Tan | Tan |

MARKING EXAMPLE & ORDERING INFORMATION

| | | | | | |
|---------------------|-----------------------|-------|------------|----------------------|--------------------|
| M | 39010/08 | B | 1R0 | K | S |
| Military designator | Document sheet number | Class | Inductance | Inductance Tolerance | Failure rate level |

CLASS: Identifies the maximum operating temperature:
 Class A = 105°C Max.
 Class B = 125°C Max.

HOW TO ORDER:
 The Military Part Number consists of the document number and an assigned dash number as shown in the example.

MIL-PRF-39010 Molded RF Coils with Sn10 high-temperature solder for internal connections.

Approved Through Failure Rate Level S

Note The complete Military dash numbers will include two additional letters, indicated in the tables on the following three pages by **. The first additional letter will indicate tolerance: J indicates $\pm 5\%$; K indicates $\pm 10\%$; L indicates $\pm 20\%$.

The second letter will indicate the failure rate (e.g., M, P, R, S).

Packaging Tape & reel

ER1025: 12" reel, 3500 pieces max.; 14" reel, 6000 pieces max.
 ER1537 and ER1641: 12" reel, 2500 pieces max.; 14" reel, 4000 pieces max.
 ER1840: 12" reel, 2500 pieces max.; 14" reel, 3000 pieces max. For additional packaging options, see technical section.

Made in the U.S.A.

CONTINUED ON NEXT PAGE

ER SERIES (continued)

DELEVAN PART NUMBER
 DASH NUMBER
 MILITARY
 INDUCTANCE (µH)
 IND. TOLERANCE (%)
 Q MINIMUM
 TEST FREQUENCY (MHz)
 SRF MINIMUM (MHz)
 MAXIMUM (OHMS @ 25°C)
 DC RESISTANCE (OHMS @ 25°C)
 CURRENT (mA)
 RATED DC

DELEVAN PART NUMBER
 DASH NUMBER
 MILITARY
 INDUCTANCE (µH)
 IND. TOLERANCE (%)
 Q MINIMUM
 TEST FREQUENCY (MHz)
 SRF MINIMUM (MHz)
 MAXIMUM (OHMS @ 25°C)
 DC RESISTANCE (OHMS @ 25°C)
 CURRENT (mA)
 RATED DC

| MIL-PRF-39010/09 | | | | | | | | |
|------------------|--------|------|------|----|-----|-----|------|-----|
| ER1025-21** | A1R1** | 1.1 | 5 | 25 | 7.9 | 150 | 0.18 | 590 |
| ER1025-22** | A1R2** | 1.2 | 5,10 | 25 | 7.9 | 150 | 0.18 | 590 |
| ER1025-23** | A1R3** | 1.3 | 5 | 25 | 7.9 | 140 | 0.22 | 535 |
| ER1025-24** | A1R5** | 1.5 | 5,10 | 28 | 7.9 | 140 | 0.22 | 535 |
| ER1025-25** | A1R6** | 1.6 | 5 | 28 | 7.9 | 125 | 0.30 | 455 |
| ER1025-26** | A1R8** | 1.8 | 5,10 | 30 | 7.9 | 125 | 0.30 | 455 |
| ER1025-27** | A2R0** | 2.0 | 5 | 30 | 7.9 | 115 | 0.40 | 395 |
| ER1025-28** | A2R2** | 2.2 | 5,10 | 30 | 7.9 | 115 | 0.40 | 395 |
| ER1025-29** | A2R4** | 2.4 | 5 | 30 | 7.9 | 100 | 0.55 | 335 |
| ER1025-30** | A2R7** | 2.7 | 5,10 | 37 | 7.9 | 100 | 0.55 | 335 |
| ER1025-31** | A3R0** | 3.0 | 5 | 37 | 7.9 | 90 | 0.85 | 270 |
| ER1025-32** | A3R3** | 3.3 | 5,10 | 45 | 7.9 | 90 | 0.85 | 270 |
| ER1025-33** | A3R6** | 3.6 | 5 | 45 | 7.9 | 80 | 1.00 | 250 |
| ER1025-34** | A3R9** | 3.9 | 5,10 | 45 | 7.9 | 80 | 1.00 | 250 |
| ER1025-35** | A4R3** | 4.3 | 5 | 45 | 7.9 | 75 | 1.20 | 230 |
| ER1025-36** | A4R7** | 4.7 | 5,10 | 45 | 7.9 | 75 | 1.20 | 230 |
| ER1025-37** | A5R1** | 5.1 | 5 | 45 | 7.9 | 65 | 1.80 | 185 |
| ER1025-38** | A5R6** | 5.6 | 5,10 | 50 | 7.9 | 65 | 1.80 | 185 |
| ER1025-39** | A6R2** | 6.2 | 5 | 50 | 7.9 | 60 | 2.00 | 175 |
| ER1025-40** | A6R8** | 6.8 | 5,10 | 50 | 7.9 | 60 | 2.00 | 175 |
| ER1025-41** | A7R5** | 7.5 | 5 | 50 | 7.9 | 55 | 2.70 | 155 |
| ER1025-42** | A8R2** | 8.2 | 5,10 | 55 | 7.9 | 55 | 2.70 | 155 |
| ER1025-43** | A9R1** | 9.1 | 5 | 55 | 7.9 | 50 | 3.70 | 130 |
| ER1025-44** | A100** | 10.0 | 5,10 | 55 | 7.9 | 50 | 3.70 | 130 |
| ER1025-45** | A110** | 11.0 | 5 | 45 | 2.5 | 40 | 2.70 | 130 |
| ER1025-46** | A120** | 12.0 | 5,10 | 45 | 2.5 | 40 | 2.70 | 155 |
| ER1025-47** | A130** | 13.0 | 5 | 40 | 2.5 | 35 | 2.80 | 150 |
| ER1025-48** | A150** | 15.0 | 5,10 | 40 | 2.5 | 35 | 2.80 | 150 |
| ER1025-49** | A160** | 16.0 | 5 | 40 | 2.5 | 30 | 3.10 | 145 |
| ER1025-50** | A180** | 18.0 | 5,10 | 50 | 2.5 | 30 | 3.10 | 145 |
| ER1025-51** | A200** | 20.0 | 5 | 50 | 2.5 | 25 | 3.30 | 140 |
| ER1025-52** | A220** | 22.0 | 5,10 | 50 | 2.5 | 25 | 3.30 | 140 |
| ER1025-53** | A240** | 24.0 | 5 | 50 | 2.5 | 20 | 3.50 | 135 |
| ER1025-54** | A270** | 27.0 | 5,10 | 50 | 2.5 | 20 | 3.50 | 135 |

| MIL-PRF-39010/10 | | | | | | | | |
|------------------|--------|-------|------|----|------|-----|------|-----|
| ER1025-55** | A300** | 30.0 | 5 | 45 | 2.50 | 24 | 3.4 | 130 |
| ER1025-56** | A330** | 33.0 | 5,10 | 45 | 2.50 | 24 | 3.4 | 130 |
| ER1025-57** | A360** | 36.0 | 5 | 45 | 2.50 | 22 | 3.6 | 125 |
| ER1025-58** | A390** | 39.0 | 5,10 | 45 | 2.50 | 22 | 3.6 | 125 |
| ER1025-59** | A430** | 43.0 | 5 | 45 | 2.50 | 20 | 4.5 | 110 |
| ER1025-60** | A470** | 47.0 | 5,10 | 45 | 2.50 | 20 | 4.5 | 110 |
| ER1025-61** | A510** | 51.0 | 5 | 45 | 2.50 | 18 | 5.7 | 100 |
| ER1025-62** | A560** | 56.0 | 5,10 | 45 | 2.50 | 18 | 5.7 | 100 |
| ER1025-63** | A620** | 62.0 | 5 | 45 | 2.50 | 15 | 6.7 | 92 |
| ER1025-64** | A680** | 68.0 | 5,10 | 50 | 2.50 | 15 | 6.7 | 92 |
| ER1025-65** | A750** | 75.0 | 5 | 50 | 2.50 | 14 | 7.3 | 88 |
| ER1025-66** | A820** | 82.0 | 5,10 | 50 | 2.50 | 14 | 7.3 | 88 |
| ER1025-67** | A910** | 91.0 | 5 | 50 | 2.50 | 13 | 8.0 | 84 |
| ER1025-68** | A101** | 100 | 5,10 | 50 | 2.50 | 13 | 8.0 | 84 |
| ER1025-69** | A111** | 110 | 5 | 30 | 0.79 | 12 | 13.0 | 66 |
| ER1025-70** | A121** | 120 | 5,10 | 30 | 0.79 | 12 | 13.0 | 66 |
| ER1025-71** | A131** | 130 | 5 | 30 | 0.79 | 11 | 15.0 | 61 |
| ER1025-72** | A151** | 150 | 5,10 | 30 | 0.79 | 11 | 15.0 | 61 |
| ER1025-73** | A161** | 160 | 5 | 30 | 0.79 | 10 | 17.0 | 57 |
| ER1025-74** | A181** | 180 | 5,10 | 30 | 0.79 | 10 | 17.0 | 57 |
| ER1025-75** | A201** | 200 | 5 | 30 | 0.79 | 9.0 | 21.0 | 52 |
| ER1025-76** | A221** | 220 | 5,10 | 30 | 0.79 | 9.0 | 21.0 | 52 |
| ER1025-77** | A241** | 240 | 5 | 30 | 0.79 | 8.0 | 25.0 | 47 |
| ER1025-78** | A271** | 270 | 5,10 | 30 | 0.79 | 8.0 | 25.0 | 47 |
| ER1025-79** | A301** | 300 | 5 | 30 | 0.79 | 7.0 | 28.0 | 45 |
| ER1025-80** | A331** | 330 | 5,10 | 30 | 0.79 | 7.0 | 28.0 | 45 |
| ER1025-81** | A361** | 360 | 5 | 30 | 0.79 | 6.5 | 35.0 | 40 |
| ER1025-82** | A391** | 390 | 5,10 | 30 | 0.79 | 6.5 | 35.0 | 40 |
| ER1025-83** | A431** | 430 | 5 | 30 | 0.79 | 6.0 | 42.0 | 36 |
| ER1025-84** | A471** | 470 | 5,10 | 30 | 0.79 | 6.0 | 42.0 | 36 |
| ER1025-85** | A511** | 510 | 5 | 30 | 0.79 | 5.0 | 46.0 | 35 |
| ER1025-86** | A561** | 560 | 5,10 | 30 | 0.79 | 5.0 | 46.0 | 35 |
| ER1025-87** | A621** | 620 | 5 | 30 | 0.79 | 4.0 | 60.0 | 30 |
| ER1025-88** | A681** | 680 | 5,10 | 30 | 0.79 | 4.0 | 60.0 | 30 |
| ER1025-89** | A751** | 750 | 5 | 30 | 0.79 | 3.8 | 65.0 | 29 |
| ER1025-90** | A821** | 820 | 5,10 | 30 | 0.79 | 3.8 | 65.0 | 29 |
| ER1025-91** | A911** | 910 | 5 | 30 | 0.79 | 3.4 | 72.0 | 28 |
| ER1025-92** | A102** | 1,000 | 5,10 | 30 | 0.79 | 3.4 | 72.0 | 28 |





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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