

TRS63Type
 TRS74Type
 TRS105Type
 TRS125Type

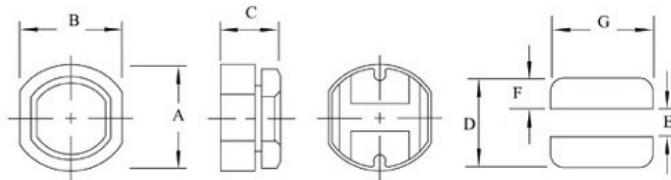
- * Magnetically shielded.
- * Surface mounting type.
- * High mounting stability.
- * Electrode terminal.
- * Comparatively large rated current and high inductance.
- * Use high performance ferrite core.
- * Density design, small size, low cost.
- * Low radiation.



Construction

Unit : (m/m)

Land patterns



Unit : (m/m)

| Type | A(MAX) | B(MAX) | C(MAX) | D | E | F | G | H | I |
|--------|----------|----------|---------|------|-----|------|-----|---|---|
| TRS63 | 6.2±0.3 | 5.6±0.3 | 3.2±0.3 | 6.20 | 1.7 | 2.25 | 5.5 | | |
| TRS74 | 7.8±0.35 | 7.0±0.35 | 4.5±0.4 | 7.80 | 2.0 | 4.0 | 7.5 | | |
| TRS105 | 10.0±0.4 | 9.0±0.4 | 5.0±0.5 | 10.0 | 2.5 | 5.0 | 9.5 | | |
| TRS125 | 12.5±0.5 | 11.6±0.5 | 5.4±0.5 | 12.5 | 2.5 | 5.0 | 9.5 | | |

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Electrical Specification

Unit:(m/m)

| Parts No. | Lo (μ H) | Test Freq. (KHz) | Inductance Tolerance % | DC Resistance Spec () max. | Inductance Decrease Current (A) max. |
|-----------|------------------|---------------------|------------------------------|-----------------------------------|--|
| TRS63-100 | 10 | 100 | $\pm 20\%$ | 0.14 | 1.00 |
| TRS63-120 | 12 | 100 | $\pm 20\%$ | 0.16 | 0.94 |
| TRS63-150 | 15 | 100 | $\pm 20\%$ | 0.18 | 0.86 |
| TRS63-180 | 18 | 100 | $\pm 20\%$ | 0.25 | 0.78 |
| TRS63-220 | 22 | 100 | $\pm 20\%$ | 0.32 | 0.76 |
| TRS63-270 | 27 | 100 | $\pm 20\%$ | 0.36 | 0.64 |
| TRS63-330 | 33 | 100 | $\pm 15\%$ | 0.41 | 0.61 |
| TRS63-390 | 39 | 100 | $\pm 15\%$ | 0.47 | 0.53 |
| TRS63-470 | 47 | 100 | $\pm 15\%$ | 0.51 | 0.50 |
| TRS63-560 | 56 | 100 | $\pm 15\%$ | 0.72 | 0.46 |
| TRS63-680 | 68 | 100 | $\pm 15\%$ | 0.82 | 0.42 |

1. The operating temperature range is $-25\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$
2. IDC: The current of inductance drop 10%

Electrical Specification

Unit:(m/m)

| Parts No. | Lo (μ H) | Test Freq. (KHz) | Inductance Tolerance % | DC Resistance Spec () max. | Inductance Decrease Current (A) max. |
|-----------|------------------|---------------------|------------------------------|-----------------------------------|--|
| TRS74-100 | 10 | 100 | $\pm 20\%$ | 0.07 | 1.65 |
| TRS74-120 | 12 | 100 | $\pm 20\%$ | 0.07 | 1.57 |
| TRS74-150 | 15 | 100 | $\pm 20\%$ | 0.08 | 1.39 |
| TRS74-180 | 18 | 100 | $\pm 20\%$ | 0.10 | 1.29 |
| TRS74-220 | 22 | 100 | $\pm 20\%$ | 0.13 | 1.12 |
| TRS74-270 | 27 | 100 | $\pm 20\%$ | 0.16 | 1.06 |
| TRS74-330 | 33 | 100 | $\pm 15\%$ | 0.18 | 0.97 |
| TRS74-390 | 39 | 100 | $\pm 15\%$ | 0.18 | 0.91 |
| TRS74-470 | 47 | 100 | $\pm 15\%$ | 0.27 | 0.80 |
| TRS74-560 | 56 | 100 | $\pm 15\%$ | 0.29 | 0.76 |
| TRS74-680 | 68 | 100 | $\pm 15\%$ | 0.33 | 0.68 |
| TRS74-820 | 82 | 100 | $\pm 15\%$ | 0.43 | 0.62 |
| TRS74-101 | 100 | 1 | $\pm 10\%$ | 0.49 | 0.55 |
| TRS74-121 | 120 | 1 | $\pm 10\%$ | 0.68 | 0.49 |
| TRS74-151 | 150 | 1 | $\pm 10\%$ | 0.94 | 0.44 |
| TRS74-181 | 180 | 1 | $\pm 10\%$ | 1.00 | 0.40 |
| TRS74-221 | 220 | 1 | $\pm 10\%$ | 1.18 | 0.36 |
| TRS74-271 | 270 | 1 | $\pm 10\%$ | 1.30 | 0.33 |

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Electrical Specification

Unit:(m/m)

| Parts No. | Lo (μH) | Test Freq. (KHz) | Inductance Tolerance % | DC Resistance Spec () max. | Inductance Decrease Current (A) max. |
|------------|---------|------------------|------------------------|-----------------------------|--------------------------------------|
| TRS105-100 | 10 | 100 | ±20% | 0.06 | 2.06 |
| TRS105-120 | 12 | 100 | ±20% | 0.07 | 1.94 |
| TRS105-150 | 15 | 100 | ±20% | 0.07 | 1.72 |
| TRS105-180 | 18 | 100 | ±20% | 0.08 | 1.58 |
| TRS105-220 | 22 | 100 | ±20% | 0.08 | 1.42 |
| TRS105-270 | 27 | 100 | ±20% | 0.10 | 1.32 |
| TRS105-330 | 33 | 100 | ±15% | 0.11 | 1.16 |
| TRS105-390 | 39 | 100 | ±15% | 0.12 | 1.10 |
| TRS105-470 | 47 | 100 | ±15% | 0.14 | 1.00 |
| TRS105-560 | 56 | 100 | ±15% | 0.19 | 0.93 |
| TRS105-680 | 68 | 100 | ±15% | 0.21 | 0.85 |
| TRS105-820 | 82 | 100 | ±15% | 0.28 | 0.79 |
| TRS105-101 | 100 | 1 | ±10% | 0.34 | 0.72 |
| TRS105-121 | 120 | 1 | ±10% | 0.37 | 0.63 |
| TRS105-151 | 150 | 1 | ±10% | 0.51 | 0.55 |
| TRS105-181 | 180 | 1 | ±10% | 0.57 | 0.50 |
| TRS105-221 | 220 | 1 | ±10% | 0.78 | 0.47 |
| TRS105-271 | 270 | 1 | ±10% | 0.87 | 0.41 |
| TRS105-331 | 330 | 1 | ±10% | 1.20 | 0.37 |
| TRS105-391 | 390 | 1 | ±10% | 1.34 | 0.35 |
| TRS105-471 | 470 | 1 | ±10% | 1.50 | 0.33 |

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Electrical Specification

Unit:(m/m)

| Parts No. | Lo (μH) | Test Freq. (KHz) | Inductance Tolerance % | DC Resistance Spec () max. | Inductance Decrease Current (A) max. |
|------------|---------|------------------|------------------------|-----------------------------|--------------------------------------|
| TRS125-100 | 10 | 100 | ±20% | 0.05 | 2.65 |
| TRS125-120 | 12 | 100 | ±20% | 0.05 | 2.50 |
| TRS125-150 | 15 | 100 | ±20% | 0.06 | 2.45 |
| TRS125-180 | 18 | 100 | ±20% | 0.06 | 2.40 |
| TRS125-220 | 22 | 100 | ±20% | 0.07 | 2.20 |
| TRS125-270 | 27 | 100 | ±20% | 0.08 | 2.00 |
| TRS125-330 | 33 | 100 | ±20% | 0.10 | 1.80 |
| TRS125-390 | 39 | 100 | ±20% | 0.11 | 1.65 |
| TRS125-470 | 47 | 100 | ±20% | 0.12 | 1.50 |
| TRS125-560 | 56 | 100 | ±20% | 0.15 | 1.38 |
| TRS125-680 | 68 | 100 | ±20% | 0.17 | 1.26 |
| TRS125-820 | 82 | 100 | ±20% | 0.20 | 1.14 |
| TRS125-101 | 100 | 1 | ±20% | 0.25 | 1.05 |
| TRS125-121 | 120 | 1 | ±20% | 0.28 | 0.95 |
| TRS125-151 | 150 | 1 | ±20% | 0.40 | 0.85 |
| TRS125-181 | 180 | 1 | ±20% | 0.48 | 0.77 |
| TRS125-221 | 220 | 1 | ±20% | 0.52 | 0.70 |
| TRS125-271 | 270 | 1 | ±20% | 0.70 | 0.63 |
| TRS125-331 | 330 | 1 | ±20% | 0.80 | 0.57 |
| TRS125-391 | 390 | 1 | ±20% | 1.08 | 0.52 |
| TRS125-471 | 470 | 1 | ±20% | 1.20 | 0.48 |
| TRS125-561 | 560 | 1 | ±20% | 1.34 | 0.44 |
| TRS125-681 | 680 | 1 | ±20% | 1.78 | 0.40 |
| TRS125-821 | 820 | 1 | ±20% | 2.00 | 0.36 |

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