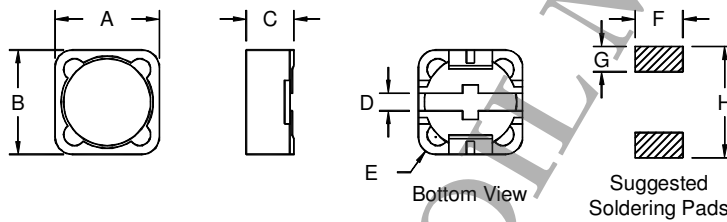




TL92 Series

- High current capacity
- Low profile surface mount design
- Low core loss for high frequency power application
- Large terminal surface for good PCB bonding
- Temperature range -30°C to +100°C
- Custom-made inductors are available upon request



| Product Series | Dimension (mm) | | | | | | | | Weight (g) |
|----------------|----------------|------|------|------|-------|------|------|------|------------|
| | A | B | C | D | E | F | G | H | |
| TL92-1 | 12.0 | 12.0 | 5.5 | 2.0 | R 2.0 | 5.5 | 2.9 | 12.8 | 3.0 |
| TL92-2 | 12.0 | 12.0 | 7.5 | 2.0 | R 2.0 | 5.5 | 2.9 | 12.8 | 3.8 |
| Tolerance | ±0.5 | ±0.5 | ±0.5 | ±0.5 | ±0.5 | ±0.5 | ±0.5 | ±0.5 | approx. |

| Part Number | Inductance (μH) | Test Frequency | DCR (Ω, max.) | Rated Current (A DC) | Part Number | Inductance (μH) | Test Frequency | DCR (Ω, max.) | Rated Current (A DC) |
|-------------|-----------------|----------------|---------------|----------------------|-------------|-----------------|----------------|---------------|----------------------|
| TL92-1-103M | 10 ± 20% | 1 kHz | 0.025 | 4.0 | TL92-2-122N | 1.2 +40/-20% | 100 kHz | 0.007 | 9.8 |
| TL92-1-123M | 12 ± 20% | 1 kHz | 0.027 | 3.5 | TL92-2-242N | 2.4 +40/-20% | 100 kHz | 0.012 | 8.0 |
| TL92-1-153M | 15 ± 20% | 1 kHz | 0.030 | 3.3 | TL92-2-352N | 3.5 +40/-20% | 100 kHz | 0.014 | 7.5 |
| TL92-1-183M | 18 ± 20% | 1 kHz | 0.034 | 3.0 | TL92-2-472N | 4.7 +40/-20% | 100 kHz | 0.016 | 6.8 |
| TL92-1-223M | 22 ± 20% | 1 kHz | 0.036 | 2.8 | TL92-2-612N | 6.1 +40/-20% | 100 kHz | 0.018 | 6.6 |
| TL92-1-273M | 27 ± 20% | 1 kHz | 0.051 | 2.3 | TL92-2-762N | 7.6 +40/-20% | 100 kHz | 0.020 | 5.9 |
| TL92-1-333M | 33 ± 20% | 1 kHz | 0.057 | 2.1 | TL92-2-103M | 10 ± 20% | 1 kHz | 0.022 | 5.4 |
| TL92-1-393M | 39 ± 20% | 1 kHz | 0.068 | 2.0 | TL92-2-123M | 12 ± 20% | 1 kHz | 0.024 | 4.9 |
| TL92-1-473M | 47 ± 20% | 1 kHz | 0.075 | 1.8 | TL92-2-153M | 15 ± 20% | 1 kHz | 0.027 | 4.5 |
| TL92-1-563M | 56 ± 20% | 1 kHz | 0.11 | 1.7 | TL92-2-183M | 18 ± 20% | 1 kHz | 0.039 | 3.9 |
| TL92-1-683M | 68 ± 20% | 1 kHz | 0.12 | 1.5 | TL92-2-223M | 22 ± 20% | 1 kHz | 0.043 | 3.6 |
| TL92-1-823M | 82 ± 20% | 1 kHz | 0.14 | 1.4 | TL92-2-273M | 27 ± 20% | 1 kHz | 0.046 | 3.4 |
| TL92-1-104M | 100 ± 20% | 1 kHz | 0.16 | 1.3 | TL92-2-333M | 33 ± 20% | 1 kHz | 0.065 | 3.0 |
| TL92-1-124M | 120 ± 20% | 1 kHz | 0.17 | 1.1 | TL92-2-393M | 39 ± 20% | 1 kHz | 0.073 | 2.7 |
| TL92-1-154M | 150 ± 20% | 1 kHz | 0.23 | 1.0 | TL92-2-473M | 47 ± 20% | 1 kHz | 0.100 | 2.5 |
| TL92-1-184M | 180 ± 20% | 1 kHz | 0.29 | 0.90 | | | | | |
| TL92-1-224M | 220 ± 20% | 1 kHz | 0.40 | 0.80 | | | | | |
| TL92-1-274M | 270 ± 20% | 1 kHz | 0.46 | 0.75 | | | | | |
| TL92-1-334M | 330 ± 20% | 1 kHz | 0.51 | 0.68 | | | | | |
| TL92-1-394M | 390 ± 20% | 1 kHz | 0.69 | 0.65 | | | | | |
| TL92-1-474M | 470 ± 20% | 1 kHz | 0.77 | 0.58 | | | | | |
| TL92-1-564M | 560 ± 20% | 1 kHz | 0.86 | 0.54 | | | | | |
| TL92-1-684M | 680 ± 20% | 1 kHz | 1.20 | 0.48 | | | | | |
| TL92-1-824M | 820 ± 20% | 1 kHz | 1.34 | 0.43 | | | | | |
| TL92-1-105M | 1000 ± 20% | 1 kHz | 1.53 | 0.40 | | | | | |