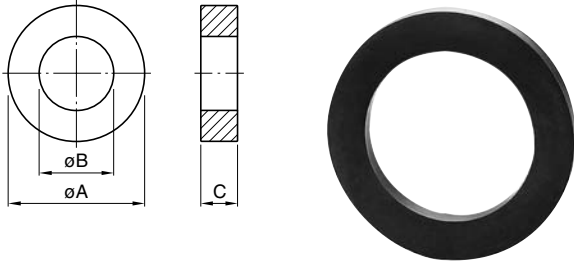


Large Size Ferrite Cores for High Power

T Series

T CORE

CORE SHAPES AND DIMENSIONS/CHARACTERISTICS



PRODUCT IDENTIFICATION

PE22 T 51 × 13 × 31
(1) (2) (3) (4) (5)

- (1) Material name
- (2) Shape
- (3) Dimension A
- (4) Dimension C
- (5) Dimension B

| Part No. | AL*1(nH/N ²) ±25% | Dimensions (mm) | | | Core factor | | A _e (mm ²) | ℓ _e (mm) | V _e (mm ³) | Weight (g) |
|--------------------|----------------------------------|-----------------|-----------|-----------|------------------------------------|--|-----------------------------------|---------------------|-----------------------------------|---------------|
| | | øA | øB | C | C ₁ (mm ⁻¹) | C ₂ ×10 ⁻² (mm ⁻³) | | | | |
| PE22 T51×13×31 | 2330 | | | | | | | | | 80 |
| PC40 T51×13×31 | 2980 | 51.0±1.0 | 31.0±0.6 | 13.0±0.5 | 0.97084 | 0.76235 | 127 | 124 | 15740 | 80 |
| PE90 T51×13×31 | 2850 | | | | | | | | | 82 |
| PE22 T62×13×39 | 2290 | | | | | | | | | 121 |
| PC40 T62×13×39 | 2930 | 62.5±1.2 | 39.0±0.8 | 13.5±0.5 | 0.98689 | 0.63377 | 156 | 154 | 23930 | 121 |
| PE90 T62×13×39 | 2800 | | | | | | | | | 124 |
| PE22 T72×20×48 | 2920 | | | | | | | | | 217 |
| PC40 T72×20×48 | 3730 | 72.0±1.5 | 48.0±0.9 | 20.0±0.5 | 0.77481 | 0.32729 | 237 | 183 | 43420 | 217 |
| PE90 T72×20×48 | 3570 | | | | | | | | | 222 |
| PE22 T80×20×50 | 3380 | | | | | | | | | 294 |
| PC40 T80×20×50 | 4320 | 80.0±1.6 | 50.0±1.0 | 20.0±0.5 | 0.66842 | 0.22694 | 295 | 197 | 57990 | 294 |
| PE90 T80×20×50 | 4140 | | | | | | | | | 300 |
| PE22 T96×20×70 | 2270 | | | | | | | | | 325 |
| PC40 T96×20×70 | 2910 | 96.0±1.9 | 70.0±1.4 | 20.0 ±0.5 | 0.99464 | 0.38574 | 258 | 256 | 66130 | 325 |
| PE90 T96×20×70 | 2780 | | | | | | | | | 332 |
| PE22 T104×20×80 | 1890 | | | | | | | | | 333 |
| PC40 T104×20×80 | 2410 | 104.0±2.1 | 80.0±1.6 | 20.0±0.5 | 1.19742 | 0.50179 | 239 | 286 | 68180 | 333 |
| PE90 T104×20×80 | 2310 | | | | | | | | | 340 |
| PE22 T127×20×89 | 2560 | | | | | | | | | 619 |
| PC40 T127×20×89 | 3270 | 127.0±2.5 | 89.0±2.0 | 20.0±0.5 | 0.88358 | 0.23498 | 376 | 332 | 124930 | 619 |
| PE90 T127×20×89 | 3130 | | | | | | | | | 632 |
| PE22 T151×20×91*2 | 3610 | | | | | | | | | 1088 |
| PC40 T151×20×91*2 | 4610 | 151.0±3.0 | 91.5±1.4 | 20.0±0.5 | 0.62714 | 0.10762 | 583 | 365 | 212950 | 1088 |
| PE90 T151×20×91*2 | 4410 | | | | | | | | | 1111 |
| PE22 T202×20×70*2 | 7630 | | | | | | | | | 2710 |
| PC40 T202×20×70*2 | 9750 | 202.0±4.0 | 70.0±1.5 | 20.0±0.5 | 0.29644 | 0.02464 | 1203 | 357 | 429080 | 2710 |
| PE90 T202×20×70*2 | 9330 | | | | | | | | | 2766 |
| PE22 T305×30×207*2 | 3720 | | | | | | | | | 5640 |
| PC40 T305×30×207*2 | 4883 | 305.0±6.1 | 207.0±4.1 | 30.0±0.5 | 0.54036 | 0.03722 | 1452 | 785 | 1138825 | 5640 |
| PE90 T305×30×207*2 | 4671 | | | | | | | | | 5758 |

*1 Measuring condition: T=23°C, f=1kHz, H_m=0.4A/m

*2 T151×20×91, T202×20×70 and 305×30×207 are both sides grinding machined products.