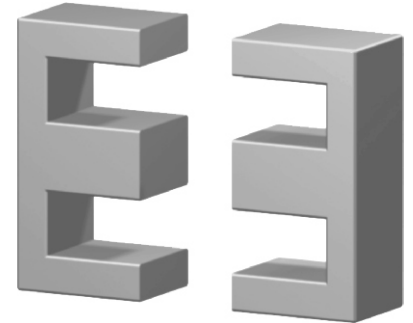
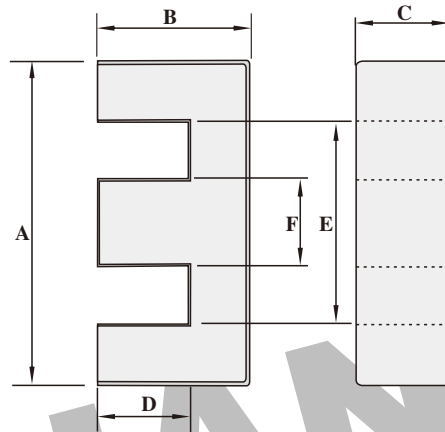


Dimension: (UNIT:mm)

| | |
|---|-------------|
| A | 30.9 ± 0.5 |
| B | 13.4 ± 0.15 |
| C | 9.4 ± 0.3 |
| D | 8.6 MIN |
| E | 21.9 MIN |
| F | 9.4±0.25 |
| G | |
| H | |
| | |



Test conditions

AL: F=1.0KHz U=0.3V N=10Ts

Effective parameter

| C1(mm) ¹ | Ae(mm ²) | Le(mm) | Ve(mm ³) | Weight(g) |
|---------------------|----------------------|--------|----------------------|-----------|
| 0.740 | 83.2 | 61.9 | 5150 | ≈ 13 |

Core halves

AL measured in combination with a non-gapped core half, clamping force for AL measurements, 40+/-20N unless otherwise stated.

| Grade | AL (nH) | μ_e | AIR GAP μm | Type number |
|-------|------------|---------|-----------------|-------------|
| P3 | 100 ± 5% | ≈ 59 | ≈ 1560 | EE31-P3 |
| | 160 ± 5% | ≈ 95 | ≈ 840 | EE31-P3 |
| | 250 ± 5% | ≈ 148 | ≈ 480 | EE31-P3 |
| | 315 ± 5% | ≈ 186 | ≈ 360 | EE31-P3 |
| | 400 ± 8% | ≈ 237 | ≈ 270 | EE31-P3 |
| | 630 ± 15% | ≈ 373 | ≈ 150 | EE31-P3 |
| | 2970 ± 25% | ≈ 1760 | ≈ 0 | EE31-P3 |
| P4 | 2970 ± 25% | ≈ 1760 | ≈ 0 | EE31-P4 |

Properties of core sets under power conditions

| Grade | B (mT) at | Core loss (w) at | | | |
|-------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|
| | H=250 A/m F=25KHz T=100°C | F=25 KHz B=200mT T=100°C | f=100 KHz B=100mT T=100°C | F=100 KHz B=200mT T=100°C | F=400 KHz B=50mT T=100°C |
| P3 | ≥ 320 | ≤ 0.52 | ≤ 0.58 | - | - |
| P4 | ≥ 320 | - | ≤ 0.45 | ≤ 2.3 | - |

Properties of core sets under power conditions (continued)

| Grade | B (mT) at | Core loss (w) at | | | |
|-------|---------------------------------|--------------------------------|---------------------------------|-------------------------------|-------------------------------|
| | H=250 A/m F=25KHz T=100°C | F=500 KHz B=50mT T=100°C | F=500 KHz B=100mT T=100°C | F=1.0MHz B=30mT T=100°C | F=3.0MHz B=10mT T=100°C |
| P3 | ≥ 320 | - | - | - | - |
| P4 | ≥ 320 | - | - | - | - |

Note:

- 1: Document is the property of FUAN Inc & is not allow to be duplicated without authorization
- 2: RoHS compliant.