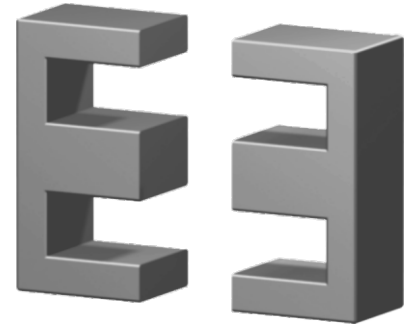
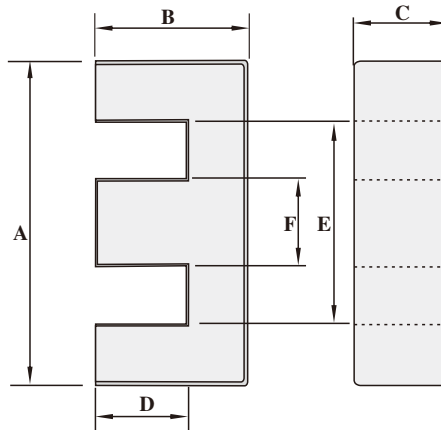


**Dimension: (UNIT:mm)**

|   |              |
|---|--------------|
| A | 55.15 ± 1.05 |
| B | 27.5 ± 0.3   |
| C | 24.6 ± 0.4   |
| D | 18.9 ± 0.3   |
| E | 37.5Min      |
| F | 16.95 ± 0.25 |
| G |              |
| H |              |
|   |              |



**Test conditions**

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

**Effective parameter**

| C1(mm) <sup>4</sup> | Ae(mm <sup>2</sup> ) | Le(mm) | Ve(mm <sup>3</sup> ) | Weight(g) |
|---------------------|----------------------|--------|----------------------|-----------|
| 0.239               | 420                  | 123    | 52000                | ≈ 130     |

**Core halves**

AL measured in combination with a non-gapped core half, clamping force for AL measurements, 60+/-20N unless otherwise stated.

**Properties of core sets under power conditions**

| Grade | AL (nH)    | $\mu e$ | AIR GAP $\mu m$ | Type number |
|-------|------------|---------|-----------------|-------------|
| P3    | 100 ± 5%   | ≈ 23    | ≈ 10440         | EE55B-P3    |
|       | 160 ± 5%   | ≈ 37    | ≈ 5520          | EE55B-P3    |
|       | 250 ± 5%   | ≈ 58    | ≈ 3040          | EE55B-P3    |
|       | 315 ± 5%   | ≈ 73    | ≈ 2240          | EE55B-P3    |
|       | 400 ± 8%   | ≈ 93    | ≈ 1660          | EE55B-P3    |
|       | 630 ± 10%  | ≈ 147   | ≈ 940           | EE55B-P3    |
|       | 8000 ± 25% | ≈ 1860  | ≈ 0             | EE55B-P3    |
| P4    | 8000 ± 25% | ≈ 1860  | ≈ 0             | EE55B-P4    |
| HQ2K  | 100 ± 5%   | ≈ 23    | ≈ 10440         | EE55B-HQ2K  |
|       | 160 ± 5%   | ≈ 37    | ≈ 5520          | EE55B-HQ2K  |
|       | 250 ± 5%   | ≈ 58    | ≈ 3040          | EE55B-HQ2K  |
|       | 315 ± 5%   | ≈ 73    | ≈ 2240          | EE55B-HQ2K  |
|       | 400 ± 8%   | ≈ 93    | ≈ 1660          | EE55B-HQ2K  |
|       | 630 ± 10%  | ≈ 147   | ≈ 940           | EE55B-HQ2K  |
|       | 7400 ± 25% | ≈ 1730  | ≈ 0             | EE55B-HQ2K  |

| Grade | B (mT) at                       | Core loss (w) at               |                                 |                                 |                                |
|-------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|
|       | H=250 A/m<br>F=25KHz<br>T=100°C | F=25 KHz<br>B=200mT<br>T=100°C | f=100 KHz<br>B=100mT<br>T=100°C | F=100 KHz<br>B=200mT<br>T=100°C | F=400 KHz<br>B=50mT<br>T=100°C |
| P3    | ≥ 320                           | ≤ 5.7                          | ≤ 7.3                           | -                               | -                              |
| P4    | ≥ 330                           | -                              | ≤ 4.8                           | ≤ 31                            | -                              |
| HQ2K  | ≥ 310                           | -                              | ≤ 6.6                           | -                               | ≤ 12.7                         |

**Note:**

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- 2: RoHS compliant.