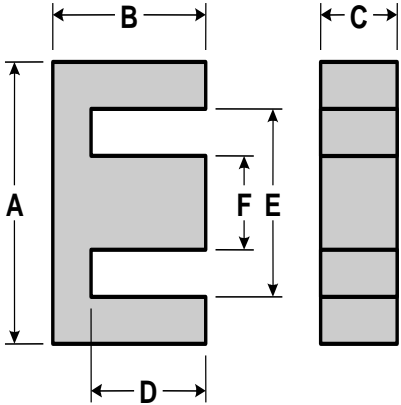


## Technical Data Sheet RoHS Compliant Product

### EE14.5/06/10, No Gap Core, MnZn

#### Product Specifications:

| Parameter                |                  | Symbol | Unit            | Value       | Geometry Drawing Reference  |
|--------------------------|------------------|--------|-----------------|-------------|---|
| Magnetic Characteristics | Effective Length | $I_e$  | mm              | 32.00       |  |
|                          | Effective Area   | $A_e$  | mm <sup>2</sup> | 34.19       |   |
|                          | Effective Volume | $V_e$  | mm <sup>3</sup> | 1094.08     |   |
| Dimensions               | A                | -      | mm              | 14.50 ±0.30 |   |
|                          | B                | -      | mm              | 6.60 ±0.30  |   |
|                          | C                | -      | mm              | 9.80 ±0.20  |   |
|                          | D                | -      | mm              | 4.95 ±0.30  |   |
|                          | E                | -      | mm              | 10.50 min   |   |
|                          | F                | -      | mm              | 3.50 ±0.20  |   |
|                          | A – A'           | -      | mm              | ≤ 0.20      |   |
| Appx. Weight/Set         | Weight           | W      | gm              | 5.78        |   |

**Appearance & Shape:** To be free from any defect such as flow, burrs, unevenness etc. as per IEC 63093 - 8

**Inspection Criteria:** IEC 60424, Guide on the limits of Surface Irregularities

**Mechanical Strength:** IEC 61631 Compliant

**Compliant:** RoHS & REACH

**Test Conditions:** 1 kHz/300 mV, Coil - N=100 Turns, 25°C

**Power Loss Conditions:** 100 kHz, 200 mT, 100°C

| Material Grade | Initial Permeability ( $\mu_i$ ) | AL Value (nH/Set) | PV (W/Set) |
|----------------|----------------------------------|-------------------|------------|
| SFP4           | 2300 ±25%                        | 2100 ±25%         | ≤ 0.76     |
| SFP95          | 3300 ±25%                        |                   |            |
| SFA05          | 5000 ±25%                        |                   |            |
| SFA07          | 7000 ±25%                        |                   |            |
| SFA10          | 10000 ±30%                       |                   |            |
| SFA12          | 12000 ±30%                       |                   |            |

Other AL values/air gaps and materials available on request