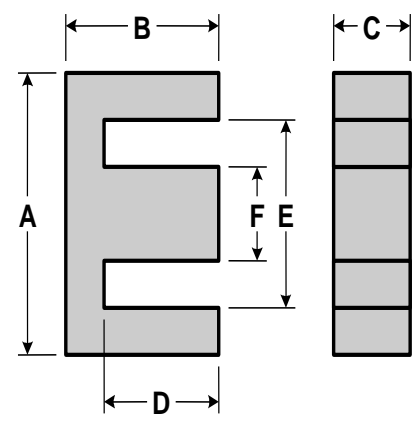


Technical Data Sheet RoHS Compliant Product

EE55/28/21, No Gap Core, MnZn

Product Specifications:

| Parameter | | Symbol | Unit | Value | Geometry Drawing Reference |
|--------------------------|------------------|--------|-----------------|-------------|--|
| Magnetic Characteristics | Effective Length | I_e | mm | 124.0 |  |
| | Effective Area | A_e | mm ² | 354.0 | |
| | Effective Volume | V_e | mm ³ | 43900.0 | |
| Dimensions | A | - | mm | 55.20 ±0.50 | |
| | B | - | mm | 27.50 ±0.40 | |
| | C | - | mm | 20.70 ±0.30 | |
| | D | - | mm | 18.90 ±0.40 | |
| | E | - | mm | 37.50 min | |
| | F | - | mm | 16.95 ±0.25 | |
| | A-A' | - | mm | ≤ 0.50 | |
| Appx. Weight/Set | Weight | W | gm | 212.80 | |

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, 100 mT, 100°C

| Material Grade | Initial Permeability (μ_i) | AL Value (nH/Set) | PV (W/Set) |
|----------------|----------------------------------|-------------------|------------|
| SFP4 | 2300 ±25% | 6400 +30%/-20% | ≤ 3.80 |
| SFP95 | 3300 ±25% | 8300 +30%/-20% | ≤ 3.60 |

Other AL values/air gaps and materials available on request

IDC Specification

| Geometry | Material | AL(nH) | Tol(±) | >Ldc(μ H) @25°C | Idc(A) | >Ldc(μ H) @100°C | Idc(A) | Measuring condition |
|------------|----------|--------|--------|----------------------|--------|-----------------------|--------|----------------------|
| EE55/28/21 | SFP4 | 400 | 5 | 1.9 | 4.1 | 10kHz,250mV,100 Ts | | >Ldc(μ H) @50°C |
| EE55/28/21 | SFP95 | 500 | 5 | 2.7 | 3 | 2.7 | 1.55 | 10kHz,250mV,100 Ts |