

EER Cores (9598495402)



Part Number: 9598495402

98 EER CORE SET

EER cores, similar to ETD cores, have been designed to make optimum use of a given volume of ferrite material for maximum throughput power. The structure, which includes a round center post, approaches a nearly uniform cross-sectional area throughout the core and provides a winding area that minimizes winding losses.

EER cores can be supplied with the center post gapped to a mechanical dimension or an A_L value.

Weight indicated is per pair or set.

Weight: 158 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A | 49 | ± 0.80 | 1.929 | |
| B | 27 | ± 0.20 | 1.063 | |
| C | 17.2 | ± 0.35 | 0.677 | |
| D | 18.7 | ± 0.20 | 0.736 | |
| E | 36.5 | min | 1.437 | min |
| F | 17.2 | ± 0.35 | 0.677 | |

Chart Legend

$\Sigma l / A$: Core Constant, l_e : Effective Path Length, A_e : Effective Cross- Sectional Area, V_e : Effective Core Volume

A_L : Inductance Factor

Explanation of Part Numbers: Digits 1 & 2 = product class and 3 & 4 = material grade.

| Electrical Properties | |
|------------------------------------|-----------|
| A_L (nH) | 5350 ±25% |
| A_e (cm ²) | 2.45 |
| $\Sigma l / A$ (cm ⁻¹) | 4.8 |
| l_e (cm) | 11.8 |
| V_e (cm ³) | 29.02 |
| A_{min} (cm ²) | 2.32 |

A_L value is measured at 1 kHz, B < 10 gauss.