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 $A_i$ value.

Catalog Drawing
3D Model

Weight indicated is per pair or set.

Weight: 158 (g)

<table>
<thead>
<tr>
<th>Dim</th>
<th>mm</th>
<th>mm tol</th>
<th>nominal inch</th>
<th>inch misc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>49</td>
<td>± 0.80</td>
<td>1.929</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>27</td>
<td>± 0.20</td>
<td>1.063</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>17.2</td>
<td>± 0.35</td>
<td>0.677</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>18.7</td>
<td>± 0.20</td>
<td>0.736</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>36.5</td>
<td>min</td>
<td>1.438</td>
<td>min</td>
</tr>
<tr>
<td>F</td>
<td>17.2</td>
<td>± 0.35</td>
<td>0.677</td>
<td></td>
</tr>
</tbody>
</table>

Chart Legend
$\Sigma/ A_i$ : 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 |
| $\Sigma/ A$ (cm$^3$) | 4.8 |
| $l_e$ (cm) | 11.8 |
| $V_e$ (cm$^3$) | 29.02 |
| $A_{min}$ (cm$^2$) | 2.32 |

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