



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# EER Cores (9578282802)



Part Number: 9578282802

78 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: 28 (g)

| Dim | mm   | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| A   | 28.5 | ± 0.60 | 1.122        |            |
| B   | 14   | ± 0.20 | 0.551        |            |
| C   | 11.4 | ± 0.30 | 0.449        |            |
| D   | 9.6  | ± 0.20 | 0.378        |            |
| E   | 21.2 | min    | 0.835        | min        |
| F   | 9.9  | ± 0.30 | 0.39         |            |

$A_L$  : Inductance Factor

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

| Electrical Properties              |           |
|------------------------------------|-----------|
| $A_L$ (nH)                         | 2800 ±25% |
| $A_e$ (cm <sup>2</sup> )           | 0.859     |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 7.3       |
| $l_e$ (cm)                         | 6.29      |
| $V_e$ (cm <sup>3</sup> )           | 5.398     |
| $A_{min}$ (cm <sup>2</sup> )       | 0.77      |

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

**Chart Legend**  
 $\Sigma l / A$  : Core Constant,  
Length,  
Effective Core Volume

$l_e$  : Effective Path  
 $A_e$  : Effective Cross- Sectional Area,  
 $V_e$  :