

Planar Cores (9498207002)



Part Number: 9498207002

98 PLANAR E CORE SET

Planar EE and EI cores, with their low profile are suitable for board level installation allowing assembly without the need for plastic coilformers and can also allow windings integrated into multilevel PCBs. Planar ER cores with their low mass and low profile are suitable for Surface Mount installations in low power filter and transformer applications.

-Planar EE, ER and EI cores can be supplied with the center post gapped to a mechanical dimension, or an $A_{\scriptscriptstyle L}$ value.

Catalog Drawing 3D Model

Weight: 200 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	64	± 1.00	2.52	_
	10.35	± 0.15	0.407	_
_	51	± 0.80	2.008	_
	5.3	± 0.25	0.209	_
	53.8	± 1.00	2.118	_
F	10.3	± 0.20	0.406	_

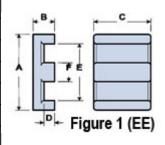


Chart Legend

 $\Sigma l/A \ : \ Core\ Constant, \quad l_{_e}:\ Effective\ Path\ Length, \quad A_{_e}:\ Effective\ Cross-Sectional\ Area, \quad V_{_e}:$

Effective Core Volume A_L : Inductance Factor

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

Electrical Properties		
$A_L(nH)$	14800 ±25%	
Ae(cm ²)	5.2	
$\Sigma l/A(cm^{-1})$	1.54	
l _e (cm)	8.07	
$V_{\rm e}({\rm cm}^3)$	41.5	

Electrical Properties		
$A_{\min}(\text{cm}^2)$	5.15	

 $A_{\scriptscriptstyle L}$ value is measured at 1 kHz, B < 10 gauss.

Fair-Rite Products Corp. • One Commercial Row, Wallkill, New York 12589-0288 888-324-7748 • 845-895-2055 • Fax: 845-895-2629 • ferrites@fair-rite.com • www.fair-rite.com