



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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## Planar Cores (7878400721)

Part Number: 7878400721

78 PLANAR EI 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 multi-level 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  $A_L$  value.

Weight: 178 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	64	± 1.00	2.52	-
B	10.35	± 0.15	0.407	-
C	51	± 0.80	2.008	-
D	5.3	± 0.25	0.209	-
E	53.8	± 1.00	2.118	-
F	10.3	± 0.20	0.406	-
G	5.08	± 0.20	0.2	-

### 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)	16900 ±25%
$A_e$ (cm <sup>2</sup> )	5.18
$\Sigma l / A$ (cm <sup>-1</sup> )	1.4
$l_e$ (cm)	7
$V_e$ (cm <sup>3</sup> )	36.3
$A_{min}$ (cm <sup>2</sup> )	5.15

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