



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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EP Cores (6578130121)



Part Number: 6578130121

78 EP CORE SET

EP designs reduce the effect of residual air gap upon the effective permeability of the core, hence they minimize coil volume for a given inductance. EP cores also provide a high degree of isolation from adjacent components and are advantageously used in low power devices, matching and broadband transformers.

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

Weight indicates is per pair or set.

Weight: 2.35 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	12.5	± 0.30	0.492	—
B	6.5	± 0.30	0.256	—
C	8.8	± 0.20	0.346	—
D	4.7	± 0.20	0.185	—
E	10	± 0.30	0.394	—
F	4.4	± 0.20	0.173	—
K	2.5	min	0.098	—

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)	1600 ±25%
A_e (cm ²)	0.197
$\Sigma l / A$ (cm ⁻¹)	11.8
l_e (cm)	2.32
V_e (cm ³)	0.457
A_{min} (cm ²)	0.148

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