



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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PQ Cores (6678404121)



Part Number: 6678404121

78 PQ CORE SET

PQ cores were developed for use in power applications. The large surface area to volume of the core aids in heat dissipation. PQ cores are employed both in filter and transformer designs for switch mode power supplies.

☐ PQ cores can be supplied with the centerpost gapped to a mechanical dimension or an A_L value.

Weight indicated is per pair or set.

Weight: 97 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	40.5	± 0.90	1.594	—
B	19.88	± 0.13	0.783	—
C	27.93	± 0.53	1.1	—
D	14.75	± 0.15	0.581	—
E	36.4	min	1.433	min
F	14.7	± 0.30	0.579	—
G	27.2	min	1.071	min

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)	4300 ±25%
A_e (cm ²)	1.98
$\Sigma l / A$ (cm ⁻¹)	5.23
l_e (cm)	10.36
V_e (cm ³)	20.5
A_{min} (cm ²)	1.7

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