

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.

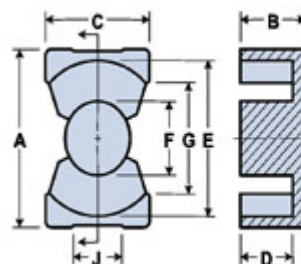
[Catalog Drawing](#)

[3D Model](#)

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	0.782	—
C	27.93	± 0.53	1.1	—
D	14.75	± 0.15	0.581	—
E	36.4	min	1.434	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 <sup>2</sup> )	1.98
$\Sigma l/A$ (cm <sup>-1</sup> )	5.23
$l_e$ (cm)	10.36

Electrical Properties	
$V_e(\text{cm}^3)$	20.5
$A_{\min}(\text{cm}^2)$	1.7

$A_L$  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](mailto:ferrites@fair-rite.com) • [www.fair-rite.com](http://www.fair-rite.com)