Fair-Rite Products Corp.
Your Signal Solution®

PQ Cores (6678505021)

Part Number: 6678505021

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: 195 (g)

Dim	mm	mm tol	nominal inch	inch misc.
A	50	± 0.80	1.969	_
B	25	± 0.15	0.984	_
C	32	± 0.60	1.26	_
D	18.1	± 0.25	0.713	_
E	44	± 0.70	1.732	_
F	20	± 0.40	0.787	_
G	32	min	1.26	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)	6720 ±25%
Ae(cm^2)	3.19
$\Sigma l/A$(cm^{-1})	3.59
l_e(cm)	11.47

Electrical Properties	
$V_e(cm^3)$	36.63
$A_{min}(cm^2)$	3.142

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

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