

## PQ Cores (6698505021)



Part Number: 6698505021

98 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.

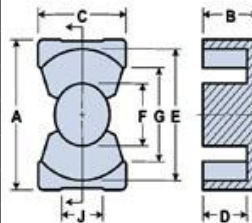
☐ PQ cores can be supplied with the centerpost gapped to a mechanical dimension or an  $A_L$  value.

[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% |
| $A_e$ (cm <sup>2</sup> )           | 3.19      |
| $\Sigma l / A$ (cm <sup>-1</sup> ) | 3.59      |
| $l_e$ (cm)                         | 11.47     |
| $V_e$ (cm <sup>3</sup> )           | 36.63     |
| $A_{min}$ (cm <sup>2</sup> )       | 3.142     |

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