Fair-Rite Products Corp.

Your Signal Solution®

Pot Cores (5695090621)

Certificate of Compliance Material Declaration

Part Number: 5695090621

95 POT CORE SET

Pot cores have found application in all types of inductive devices. The core configuration provides a high degree of selfshielding. It also facilitates gapping to enhance utility for a variety of magnetic designs.

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

Catalog Drawing 3D Model

Weight indicated is per pair or set.

Weight: 1.000 (g)

| Dim | mm | mm tol | nominal inch | inch misc. |
|-----|------|--------|--------------|------------|
| А | 9.15 | ±0.15 | 0.36 | _ |
| В | 2.65 | ±0.10 | 0.104 | _ |
| С | 5.65 | ±0.15 | 0.222 | _ |
| D | 1.8 | min | 0.071 | min |
| Е | 7.5 | min | 0.296 | min |
| F | 3.8 | ±0.10 | 0.15 | |
| G | 2.1 | ±0.30 | 0.083 | |



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) | $1400\pm\!\!25\%$ | | | |
| $Ae(cm^2)$ | 0.112 | | | |
| $\Sigma l / A(cm^{-1})$ | 12 | | | |
| l _e (cm) | 1.35 | | | |
| $V_{e}(cm^{3})$ | 0.152 | | | |
| $A_{min}(cm^2)$ | 0.09 | | | |

 A_{L} value is measured at 1 kHz, B < 10 gauss.