



# 11411 Series – HIGH CURRENT RF CHOKES (AXIAL LEADS)

Rev. A

## A. Electrical Specifications:

| Part No.  | L (uH) | DCR Max (Ω) | I sat. (DC Amps) | I rms. (AC Amps) |
|-----------|--------|-------------|------------------|------------------|
| 114113R9_ | 3.9    | .007        | 15.5             | 4.00             |
| 114114R7_ | 4.7    | .008        | 13.9             | 4.00             |
| 114115R6_ | 5.6    | .011        | 12.6             | 4.00             |
| 114116R8_ | 6.8    | .011        | 11.6             | 4.00             |
| 114118R2_ | 8.2    | .013        | 9.89             | 4.00             |
| 11411100_ | 10     | .017        | 8.70             | 4.00             |
| 11411120_ | 12     | .019        | 8.21             | 4.00             |
| 11411150_ | 15     | .022        | 7.34             | 4.00             |
| 11411180_ | 18     | .023        | 6.64             | 4.00             |
| 11411220_ | 22     | .026        | 6.07             | 4.00             |
| 11411270_ | 27     | .027        | 5.36             | 4.00             |
| 11411330_ | 33     | .032        | 4.82             | 4.00             |
| 11411390_ | 39     | .033        | 4.36             | 4.00             |
| 11411470_ | 47     | .035        | 3.98             | 4.00             |
| 11411560_ | 56     | .037        | 3.66             | 3.20             |
| 11411680_ | 68     | .047        | 3.31             | 2.50             |
| 11411820_ | 82     | .060        | 3.10             | 2.00             |
| 11411101_ | 100    | .090        | 2.79             | 1.60             |
| 11411121_ | 120    | .113        | 2.54             | 1.60             |
| 11411151_ | 150    | .129        | 2.22             | 1.60             |
| 11411181_ | 180    | .150        | 1.98             | 1.60             |
| 11411221_ | 220    | .162        | 1.89             | 1.60             |
| 11411271_ | 270    | .208        | 1.63             | 1.60             |
| 11411331_ | 330    | .212        | 1.51             | 1.60             |
| 11411391_ | 390    | .281        | 1.39             | 1.60             |
| 11411471_ | 470    | .380        | 1.24             | 1.20             |
| 11411561_ | 560    | .420        | 1.17             | 1.00             |
| 11411681_ | 680    | .548        | 1.05             | 1.00             |
| 11411821_ | 820    | .655        | 0.97             | 0.800            |
| 11411102_ | 1000   | .844        | 0.87             | 0.800            |
| 11411122_ | 1200   | 1.04        | 0.79             | 0.600            |
| 11411152_ | 1500   | 1.16        | 0.70             | 0.600            |
| 11411182_ | 1800   | 1.56        | 0.64             | 0.600            |
| 11411222_ | 2200   | 2.00        | 0.58             | 0.500            |
| 11411272_ | 2700   | 2.06        | 0.53             | 0.400            |
| 11411332_ | 3300   | 2.53        | 0.47             | 0.400            |
| 11411392_ | 3900   | 2.75        | 0.43             | 0.400            |
| 11411472_ | 4700   | 3.19        | 0.39             | 0.400            |
| 11411562_ | 5600   | 3.92        | 0.359            | 0.315            |
| 11411682_ | 6800   | 5.69        | 0.322            | 0.250            |
| 11411822_ | 8200   | 6.32        | 0.293            | 0.250            |
| 11411103_ | 10000  | 7.30        | 0.266            | 0.250            |
| 11411123_ | 12000  | 9.21        | 0.241            | 0.200            |
| 11411153_ | 15000  | 10.5        | 0.214            | 0.200            |
| 11411183_ | 18000  | 14.8        | 0.198            | 0.158            |
| 11411223_ | 22000  | 21.8        | 0.180            | 0.125            |
| 11411273_ | 27000  | 22.7        | 0.162            | 0.125            |
| 11411333_ | 33000  | 25.7        | 0.146            | 0.125            |
| 11411393_ | 39000  | 31.8        | 0.135            | 0.100            |
| 11411473_ | 47000  | 36.1        | 0.122            | 0.100            |
| 11411563_ | 56000  | 40.9        | 0.112            | 0.100            |
| 11411683_ | 68000  | 57.3        | 0.101            | 0.082            |
| 11411823_ | 82000  | 79.3        | 0.090            | 0.065            |



## 11411 Series – HIGH CURRENT RF CHOKES (AXIAL LEADS)

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11411104\_

100000

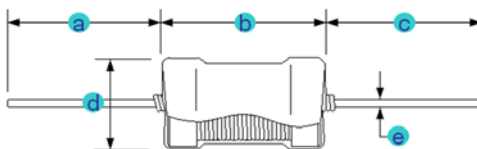
89.7

0.810

0.065

### B. Dimensions: mm (Inch)

| SERIES | a               | b                | c               | d                | e                     |
|--------|-----------------|------------------|-----------------|------------------|-----------------------|
| 11411  | 25.4<br>(1.000) | 22.86<br>(0.900) | 25.4<br>(1.000) | 11.94<br>(0.470) | 0.81<br>(0.032)       |
| Tol.   | Min.            | Max.             | Min.            | Max.             | $\pm 0.05$<br>(0.002) |



### C. General Information:

1. Inductance measured at 1.0 KHz.
2. Tolerance “\_” : L:  $\pm 15\%$ , K:  $\pm 10\%$  and J:  $\pm 5\%$  tolerances optional.
3. Core: Ferrite bobbin core
4. Low DCR & High current capacity.
5. Saturation current to cause 10% maximum inductance drop.
6. Ambient Temperature  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .
7. Rated current to cause  $35^{\circ}\text{C}$  max. temperature rise
8. Dielectric strength 2500Vrms
9. Coil finished with varnish and covered with VW1 rated shrink tubing.
10. Packaging for bulk: 200pcs/box and 32000pcs/carton.