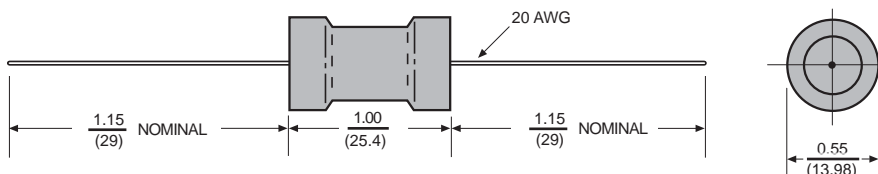




# Axial Power Chokes APC40



Dimensions:  $\frac{\text{Inches}}{\text{(mm)}}$



| Allied Part Number | Inductance ( $\mu\text{h}$ ) | Tolerance (%) | DCR Max. ( $\Omega$ ) | Saturation Current (A) | Rated Current (A) |
|--------------------|------------------------------|---------------|-----------------------|------------------------|-------------------|
| APC40-3R9K-RC      | 3.9                          | 10            | .007                  | 47.0                   | 6.00              |
| APC40-4R7K-RC      | 4.7                          | 10            | .008                  | 42.0                   | 6.00              |
| APC40-5R6K-RC      | 5.6                          | 10            | .009                  | 35.0                   | 6.00              |
| APC40-6R8K-RC      | 6.8                          | 10            | .010                  | 29.0                   | 6.00              |
| APC40-8R2K-RC      | 8.2                          | 10            | .011                  | 24.0                   | 6.00              |
| APC40-100K-RC      | 10                           | 10            | .012                  | 19.0                   | 6.00              |
| APC40-120K-RC      | 12                           | 10            | .013                  | 16.0                   | 6.00              |
| APC40-150K-RC      | 15                           | 10            | .014                  | 14.8                   | 6.00              |
| APC40-180K-RC      | 18                           | 10            | .015                  | 13.4                   | 6.00              |
| APC40-220K-RC      | 22                           | 10            | .016                  | 12.4                   | 6.00              |
| APC40-270K-RC      | 27                           | 10            | .017                  | 11.2                   | 6.00              |
| APC40-330K-RC      | 33                           | 10            | .021                  | 10.2                   | 6.00              |
| APC40-390K-RC      | 39                           | 10            | .023                  | 9.30                   | 6.00              |
| APC40-470K-RC      | 47                           | 10            | .025                  | 8.70                   | 6.00              |
| APC40-560K-RC      | 56                           | 10            | .028                  | 8.00                   | 6.00              |
| APC40-680K-RC      | 68                           | 10            | .039                  | 7.00                   | 4.70              |
| APC40-820K-RC      | 82                           | 10            | .043                  | 6.30                   | 4.70              |
| APC40-101K-RC      | 100                          | 10            | .055                  | 5.70                   | 3.80              |
| APC40-121K-RC      | 120                          | 10            | .076                  | 5.30                   | 3.00              |
| APC40-151K-RC      | 150                          | 10            | .084                  | 4.70                   | 3.00              |
| APC40-181K-RC      | 180                          | 10            | .096                  | 4.30                   | 3.00              |
| APC40-221K-RC      | 220                          | 10            | .108                  | 4.00                   | 3.00              |
| APC40-271K-RC      | 270                          | 10            | .151                  | 3.60                   | 2.30              |
| APC40-331K-RC      | 330                          | 10            | .168                  | 3.20                   | 2.30              |
| APC40-391K-RC      | 390                          | 10            | .182                  | 2.90                   | 2.30              |
| APC40-471K-RC      | 470                          | 10            | .202                  | 2.60                   | 2.30              |
| APC40-561K-RC      | 560                          | 10            | .348                  | 2.40                   | 1.40              |
| APC40-681K-RC      | 680                          | 10            | .470                  | 2.20                   | 1.20              |
| APC40-821K-RC      | 820                          | 10            | .500                  | 2.00                   | 1.20              |
| APC40-102K-RC      | 1000                         | 10            | .570                  | 1.80                   | 1.20              |
| APC40-122K-RC      | 1200                         | 10            | .648                  | 1.70                   | 1.20              |
| APC40-152K-RC      | 1500                         | 10            | .888                  | 1.55                   | 0.90              |
| APC40-182K-RC      | 1800                         | 10            | 1.16                  | 1.40                   | 0.75              |
| APC40-222K-RC      | 2200                         | 10            | 1.20                  | 1.25                   | 0.75              |
| APC40-272K-RC      | 2700                         | 10            | 1.44                  | 1.10                   | 0.75              |
| APC40-332K-RC      | 3300                         | 10            | 1.92                  | 1.00                   | 0.59              |
| APC40-392K-RC      | 3900                         | 10            | 2.16                  | 0.90                   | 0.59              |
| APC40-472K-RC      | 4700                         | 10            | 2.50                  | 0.85                   | 0.59              |
| APC40-562K-RC      | 5600                         | 10            | 3.20                  | 0.78                   | 0.45              |
| APC40-682K-RC      | 6800                         | 10            | 4.00                  | 0.70                   | 0.45              |
| APC40-822K-RC      | 8200                         | 10            | 5.20                  | 0.65                   | 0.35              |
| APC40-103K-RC      | 10000                        | 10            | 6.00                  | 0.60                   | 0.35              |
| APC40-123K-RC      | 12000                        | 10            | 8.00                  | 0.54                   | 0.27              |
| APC40-153K-RC      | 15000                        | 10            | 10.0                  | 0.48                   | .200              |
| APC40-183K-RC      | 18000                        | 10            | 11.0                  | 0.46                   | .200              |
| APC40-223K-RC      | 22000                        | 10            | 13.0                  | 0.39                   | .200              |
| APC40-273K-RC      | 27000                        | 10            | 15.0                  | 0.355                  | .200              |
| APC40-333K-RC      | 33000                        | 10            | 21.0                  | 0.33                   | .160              |
| APC40-393K-RC      | 39000                        | 10            | 23.2                  | 0.30                   | .160              |
| APC40-473K-RC      | 47000                        | 10            | 32.0                  | 0.27                   | .120              |
| APC40-563K-RC      | 56000                        | 10            | 35.0                  | 0.175                  | .120              |
| APC40-683K-RC      | 68000                        | 10            | 48.0                  | 0.145                  | .095              |
| APC40-823K-RC      | 82000                        | 10            | 54.3                  | 0.12                   | .095              |
| APC40-104K-RC      | 100000                       | 10            | 68.5                  | 0.10                   | .070              |
| APC40-124K-RC      | 120000                       | 10            | 75.0                  | 0.08                   | .070              |
| APC40-154K-RC      | 150000                       | 10            | 84.3                  | 0.06                   | .070              |

All specifications subject to change without notice.

## Features

- Axial pre-tinned leads.
- Protected with UL shrink tubing.
- Non standard values and tolerances available.
- High saturation core material used for high inductance and low DCR.

## Electrical

**Inductance:** Measured at 1KHz with no DC current.

**Tolerance:** 10% over entire inductance range. Available in tighter tolerances.

**Current Rating:** Based on Inductance drop of less than 10% of initial value and a temperature rise of not more than 30°C from initial value within the coil body.

**Operating Temp:** -55°C to + 125°C

**Test Procedures:** L measured on HP4263B @ 1KHz

## Physical

**Packaging:** 100 pieces per tape and reel. 25 pieces per bag

**Marking:** EIA Inductance Code. For Tape and Reel packaging please add "-TR" to the part number.