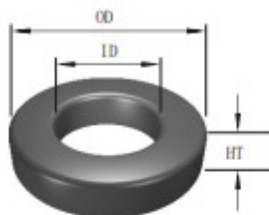


AMORPHOUS POWDER CORE SERIES PRODUCTS

APT 18PXX



Core Dimensions

| Cross Section | OD (max) | ID (min) | HT (max) |
|---------------------|----------|----------|----------|
| Bare Core(mm) | 17.27 | 9.65 | 6.35 |
| Coating Core(epoxy) | 18.03 | 9.02 | 7.11 |

Available Cores

| Part No. | A_L (nH/N ²) | Perm. (μ) |
|----------|----------------------------|-----------------|
| APT18P26 | 19 | 26 |
| APT18P60 | 43 | 60 |
| APT18P75 | 53 | 75 |
| APT18P90 | 64 | 90 |

Magnetic Dimensions

| Cross Section (A) | Path Length (L) | Window Area (Wa) | Volume (V) |
|----------------------|-----------------|----------------------|-----------------------|
| 0.232cm ² | 4.14cm | 0.638cm ² | 0.9605cm ³ |

Winding Information

| AWG No. | Wire Dia(cm) | Single Turns | Larger Rdc, Ω | AWG No. | Wire Dia(cm) | Single Turns | Larger Rdc, Ω |
|---------|--------------|--------------|----------------------|---------|--------------|--------------|----------------------|
| 12 | 0.2130 | 9 | 0.00161 | 21 | 0.0785 | 29 | 0.0319 |
| 13 | 0.1900 | 10 | 0.00225 | 22 | 0.0701 | 33 | 0.0449 |
| 14 | 0.1710 | 12 | 0.00311 | 23 | 0.0632 | 37 | 0.0621 |
| 15 | 0.1530 | 14 | 0.00434 | 24 | 0.0566 | 41 | 0.0869 |
| 16 | 0.1370 | 16 | 0.00606 | 25 | 0.0505 | 47 | 0.1220 |
| 17 | 0.1220 | 18 | 0.00843 | 26 | 0.0452 | 52 | 0.1710 |
| 18 | 0.1090 | 20 | 0.01180 | 27 | 0.0409 | 58 | 0.2370 |
| 19 | 0.0980 | 23 | 0.01640 | 28 | 0.0366 | 65 | 0.3340 |
| 20 | 0.0879 | 26 | 0.02280 | 29 | 0.0330 | 73 | 0.4580 |

A_L vs NI Curve

