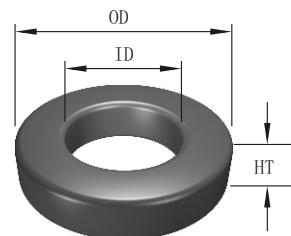


AMORPHOUS POWDER CORE SERIES PRODUCTS

FAAPT 47PXX



Core Dimensions

| Cross Section | OD (max) | ID (min) | HT (max) |
|---------------------|----------|----------|----------|
| Bare Core(mm) | 46.74 | 28.70 | 15.24 |
| Coating Core(epoxy) | 47.60 | 27.90 | 16.13 |

Magnetic Dimensions

| Cross Section (A) | Path Length (L) | Window Area (Wa) | Volume (V) |
|---------------------|-----------------|---------------------|-----------------------|
| 1.34cm ² | 11.63cm | 6.11cm ² | 15.584cm ³ |

Available Cores

| Part No. | A _L (nH/N ²) | Perm. (μ) |
|------------|-------------------------------------|-----------|
| FAAPT47P26 | 37 | 26 |
| FAAPT47P60 | 86 | 60 |
| FAAPT47P75 | 107 | 75 |
| FAAPT47P90 | 128 | 90 |

Winding Information

| AWG No. | Wire Dia(cm) | Single Turns | Larger Rdc, Ω | AWG No. | Wire Dia(cm) | Single Turns | Larger Rdc, Ω |
|---------|--------------|--------------|---------------|---------|--------------|--------------|---------------|
| 10 | 0.2670 | 26 | 0.00505 | 19 | 0.0980 | 77 | 0.1040 |
| 11 | 0.2380 | 30 | 0.0708 | 20 | 0.0879 | 86 | 0.1460 |
| 12 | 0.2130 | 34 | 0.00990 | 21 | 0.0785 | 96 | 0.2050 |
| 13 | 0.1900 | 38 | 0.01390 | 22 | 0.0701 | 108 | 0.2900 |
| 15 | 0.1710 | 43 | 0.01930 | 23 | 0.0632 | 120 | 0.4020 |
| 15 | 0.1530 | 48 | 0.02700 | 24 | 0.0566 | 134 | 0.5650 |
| 16 | 0.1370 | 54 | 0.03800 | 25 | 0.0505 | 150 | 0.7950 |
| 17 | 0.1220 | 61 | 0.05300 | 26 | 0.0452 | 168 | 1.1200 |
| 18 | 0.1090 | 68 | 0.07450 | 27 | 0.0409 | 186 | 1.5600 |

A_L vs NI Curve

