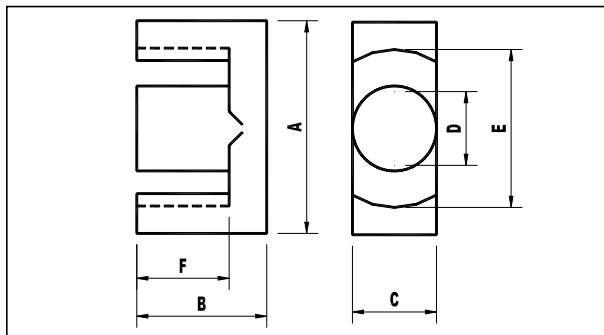


### ETD型功率磁芯



| 磁芯型号Type                                    |       | ETD19/27/7.4 | ETD24/29/8.5 | ETD29/32/9.5 | ETD29/36/9.5 | ETD34/35/11 | ETD39/40/12.5 | ETD40/45/13.3 | ETD42/45/15 | ETD44/45/15 | ETD49/50/16.3 | ETD54/50/19 | ETD54/55/19 | ETD59/62/21 |
|---|-------|--------------|--------------|--------------|--------------|-------------|---------------|---------------|-------------|-------------|---------------|-------------|-------------|-------------|
| 尺寸 Dimension<br>(mm)                        | A(外长) | 19.60±0.50   | 24.70±0.60   | 29.80±0.80   | 29.80±0.80   | 34.20±0.80  | 39.00±0.90    | 40.00±1.00    | 42.00±1.00  | 44.00±1.00  | 48.70±1.10    | 54.50±1.30  | 54.50±1.30  | 59.80±1.40  |
|   | B(外高) | 13.65±0.30   | 14.65±0.30   | 15.90±0.30   | 18.00±0.30   | 17.30±0.30  | 20.00±0.50    | 22.60±0.50    | 22.60±0.50  | 22.30±0.50  | 24.70±0.50    | 25.10±0.40  | 27.60±0.50  | 31.00±0.50  |
|   | C(厚度) | 7.40±0.30    | 8.50±0.30    | 9.50±0.30    | 9.50±0.30    | 10.80±0.30  | 12.50±0.40    | 13.30±0.40    | 14.80±0.40  | 14.80±0.40  | 16.30±0.50    | 18.90±0.30  | 18.90±0.50  | 21.65±0.50  |
|   | D(中柱) | 7.40±0.30    | 8.50±0.30    | 9.50±0.30    | 9.50±0.30    | 10.80±0.30  | 12.560±0.40   | 13.30±0.40    | 14.80±0.40  | 14.80±0.40  | 16.30±0.50    | 18.90±0.30  | 18.90±0.50  | 21.65±0.50  |
|   | E(窗口) | 14.40        | 18.50        | 22.00        | 22.00        | 26.00       | 29.30         | 29.00         | 31.00       | 32.50       | 36.10         | 41          | 40.10       | 43.60       |
|   | F(内高) | 9.40±0.30    | 10.20±0.30   | 11.00±0.30   | 13.20±0.30   | 12.10±0.30  | 14.60±0.50    | 15.60±0.50    | 15.60±0.50  | 16.50±0.50  | 18.10±0.50    | 17.50±0.30  | 20.20±0.50  | 22.50±0.50  |
| 磁芯常数 $C_1(\text{mm}^{-1})$<br>Core Factor   |       | 1.3          | 1.1          | 0.9          | 1.1          | 0.8         | 0.7           | 0.7           | 0.5         | 0.6         | 0.5           | 0.4         | 0.5         | 0.4         |
| 有效磁路长度 $L_e(\text{mm})$<br>Effective length |       | 55.3         | 62.6         | 71.2         | 79.6         | 79.0        | 92.6          | 97.4          | 97.3        | 104.0       | 114.0         | 117.0       | 127.0       | 141.0       |
| 有效截面积 $A_e(\text{mm}^2)$<br>Effective Area  |       | 44.1         | 54.5         | 76.3         | 75.4         | 97.0        | 124.0         | 151.0         | 201.0       | 173.0       | 211.0         | 273.8       | 279.0       | 395.0       |
| 有效体积 $V_e(\text{mm}^3)$<br>Effective Volume |       | 2438.7       | 3411.7       | 5432.6       | 6000.3       | 7663.0      | 11482.4       | 14707.4       | 19557.3     | 17992.0     | 24054.0       | 32034.0     | 35433.0     | 55695.0     |
| 重量 (g)<br>Weigth                            |       | 11.7         | 16.4         | 27.6         | 33.0         | 39.0        | 58.0          | 78.0          | 105.0       | 92.0        | 123.0         | 157         | 181.0       | 267.3       |
| 约设计功率 (W)<br>Design power 1KHz/0.25v        |       | 35           | 49           | 83           | 100          | 115         | 175           | 235           | 310         | 275         | 370           | 470         | 545         | 800         |
| 电感系数<br>$AL(\text{nH/N}^2)$                 | TP4   | 1720         | 2000         | 2300         | 2200         | 2800        | 3000          | 3600          | 4200        | 3700        | 4000          | 4800        | 4600        | 6400        |
|   | TP4A  | 1795         | 2087         | 2400         | 2296         | 2922        | 3130          | 3757          | 4383        | 3861        | 4174          | 5009        | 4800        | 6678        |
|   | TP47  | 1870         | 2174         | 2500         | 2391         | 3043        | 3261          | 3913          | 4565        | 4022        | 4348          | 5217        | 5000        | 6957        |
|   | TP95  | 2468         | 2870         | 3300         | 3157         | 4017        | 4304          | 5165          | 6026        | 5309        | 5739          | 6887        | 6600        | 9183        |

注：AL值测试条件为1KHz, 0.25v, 100Ts, 25±3℃