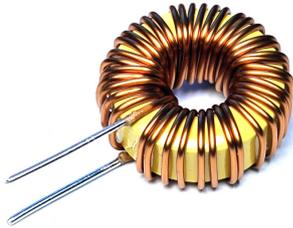


DTP-27 - Toroidal Power Inductors

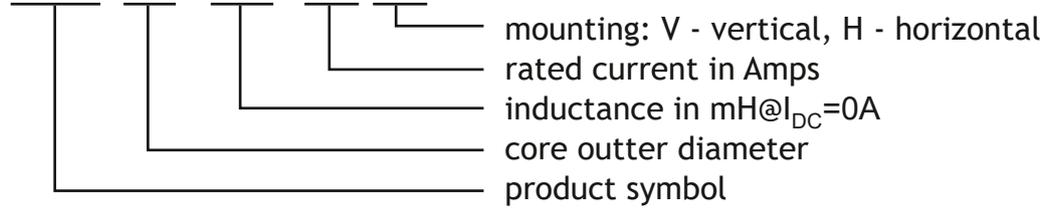


APPLICATIONS:

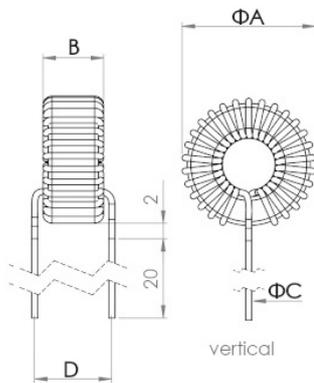
- Electromagnetic interference differential mode filters for power supplies
- Motor powering circuits filters
- Input filters for inverters
- DC smoothing for PSU outputs

ORDERING CODE:

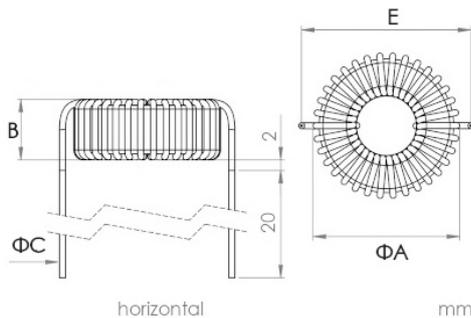
DTP - 27 / 15 / 0,9 - V



DIMENSIONS



vertical version



horizontal version

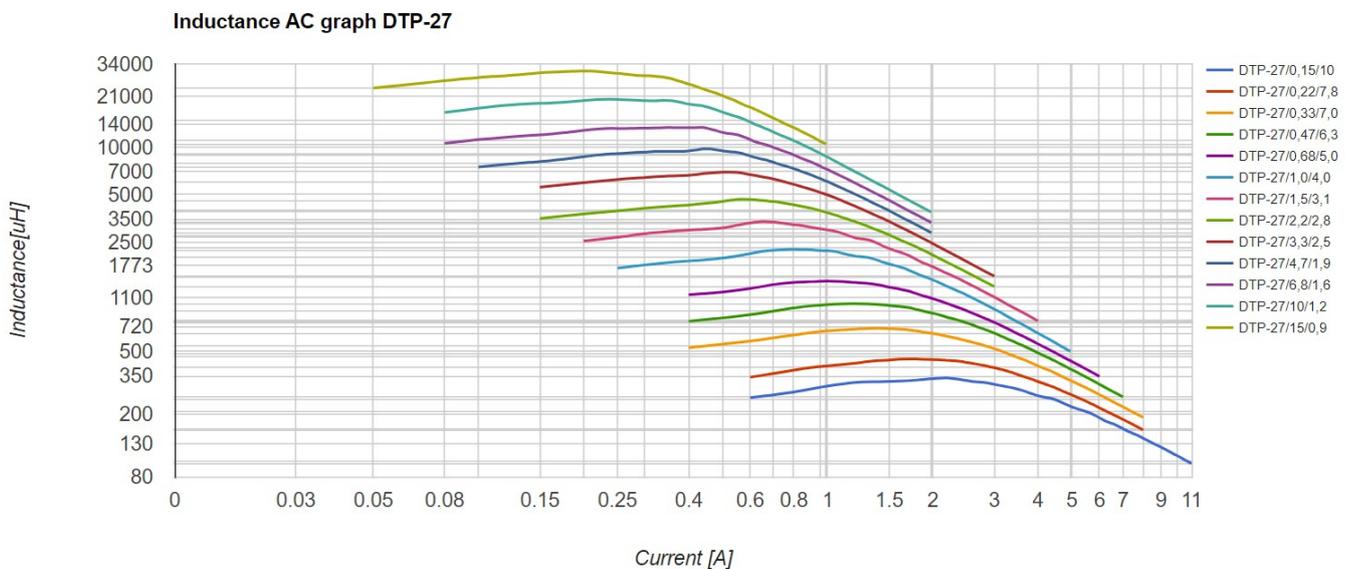
| Part number | Dimensions | | | | |
|-----------------|---------------|--------------|---------------|--------------|--------------|
| | ΦA (max) [mm] | B (max) [mm] | ΦC (max) [mm] | D (max) [mm] | E (max) [mm] |
| DTP-27/0,15/10 | 32 | 16 | 1,3 | 16 | 35 |
| DTP-27/0,22/7,8 | 32 | 16 | 1,3 | 15 | 35 |
| DTP-27/0,33/7,0 | 32 | 16 | 1,3 | 15 | 35 |
| DTP-27/0,47/6,3 | 33 | 16 | 1,3 | 15 | 36 |
| DTP-27/0,68/5,0 | 32 | 15 | 1,1 | 16 | 35 |
| DTP-27/1/4,0 | 32 | 17 | 1,0 | 15 | 34 |
| DTP-27/1,5/3,1 | 33 | 16 | 0,8 | 15 | 35 |
| DTP-27/2,2/2,8 | 33 | 16 | 0,8 | 15 | 35 |
| DTP-27/3,3/2,5 | 32 | 17 | 0,8 | 17 | 34 |
| DTP-27/4,7/1,9 | 31 | 16 | 0,7 | 16 | 33 |
| DTP-27/6,8/1,6 | 31 | 15 | 0,5 | 16 | 32 |
| DTP-27/10/1,2 | 31 | 15 | 0,5 | 16 | 32 |
| DTP-27/15/0,9 | 30 | 15 | 0,4 | 14 | 31 |

ELECTRICAL PROPERTIES

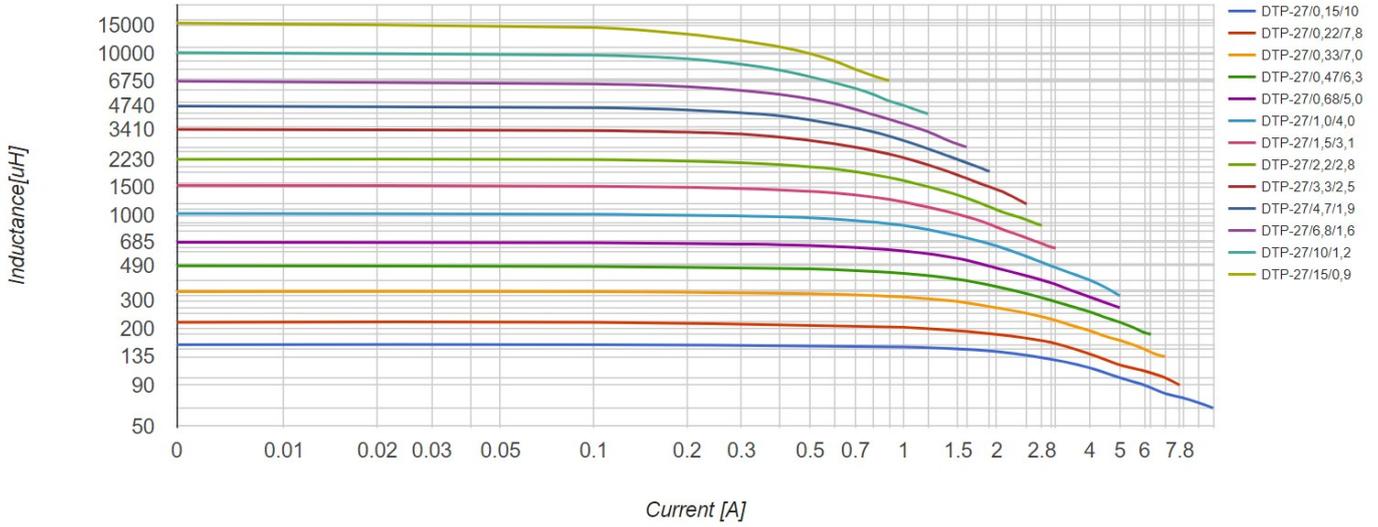
| Part number | L_{nom} [μ H] $\pm 15\%$ | I_{nom} [A] | $L@I_{nomAC}$ [μ H] | $L@I_{nomDC}$ [μ H] | R_{DC} [m Ω] | ΔT [$^{\circ}$ C]* |
|-----------------|---------------------------------------|------------------|-----------------------------|-----------------------------|---------------------------|--------------------------------|
| DTP-27/0,15/10 | 150 | 10 | 110 | 65 | 31 | 68 |
| DTP-27/0,22/7,8 | 220 | 7,8 | 165 | 90 | 41 | 52 |
| DTP-27/0,33/7,0 | 330 | 7,0 | 225 | 135 | 56 | 61 |
| DTP-27/0,47/6,3 | 470 | 6,3 | 260 | 185 | 75 | 63 |
| DTP-27/0,68/5,0 | 680 | 5,0 | 430 | 270 | 115 | 65 |
| DTP-27/1/4,0 | 1000 | 4,0 | 655 | 400 | 170 | 62 |
| DTP-27/1,5/3,1 | 1500 | 3,1 | 1070 | 630 | 275 | 63 |
| DTP-27/2,2/2,8 | 2200 | 2,8 | 1040 | 870 | 370 | 68 |
| DTP-27/3,3/2,5 | 3300 | 2,5 | 1870 | 1180 | 540 | 84 |
| DTP-27/4,7/1,9 | 4700 | 1,9 | 3000 | 1870 | 760 | 62 |
| DTP-27/6,8/1,6 | 6800 | 1,6 | 4260 | 2650 | 1130 | 70 |
| DTP-27/10/1,2 | 10000 | 1,2 | 6980 | 4250 | 1760 | 66 |
| DTP-27/15/0,9 | 15000 | 0,9 | 11720 | 6800 | 3325 | 69 |

* winding losses only.

CHARACTERISTICS:



Inductance DC graph DTP-27



Impedance graph DTP-27

