

## DTP-9,5 - Toroidal Power Inductors



### APPLICATIONS:

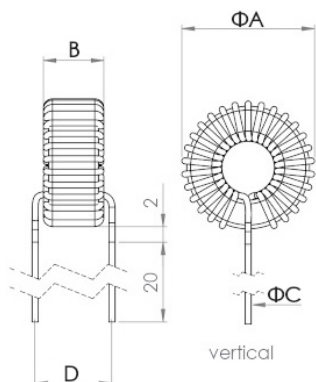
- Electromagnetic interference differential mode filters for power supplies
- Motor powering circuits filters
- Input filters for inverters
- DC smoothing for PSU outputs

### ORDERING CODE:

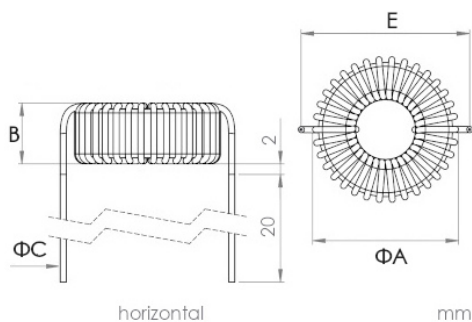
DTP - 9,5 / 0,22 / 0,9 - V

DTP - product symbol  
 9,5 - core outer diameter  
 0,22 - inductance in mH@I<sub>DC</sub>=0A  
 0,9 - rated current in Amps  
 V - mounting: V - vertical, H - horizontal

### DIMENSIONS



vertical version



horizontal version

| Part number       | Dimensions          |                    |                     |                    |                    |
|-------------------|---------------------|--------------------|---------------------|--------------------|--------------------|
|                   | ΦA<br>(max)<br>[mm] | B<br>(max)<br>[mm] | ΦC<br>(max)<br>[mm] | D<br>(max)<br>[mm] | E<br>(max)<br>[mm] |
| DTP-9,5/0,010/3,5 | 13                  | 9                  | 0,8                 | 7                  | 15                 |
| DTP-9,5/0,015/3,5 | 13                  | 9                  | 0,8                 | 7                  | 15                 |
| DTP-9,5/0,022/2,8 | 13                  | 9                  | 0,7                 | 7                  | 15                 |
| DTP-9,5/0,033/2,2 | 13                  | 9                  | 0,6                 | 7                  | 15                 |
| DTP-9,5/0,047/1,9 | 13                  | 9                  | 0,6                 | 7                  | 15                 |
| DTP-9,5/0,068/1,6 | 13                  | 9                  | 0,6                 | 7                  | 15                 |
| DTP-9,5/0,10/1,4  | 13                  | 9                  | 0,5                 | 7                  | 14                 |
| DTP-9,5/0,15/1,2  | 13                  | 9                  | 0,5                 | 7                  | 14                 |
| DTP-9,5/0,22/0,9  | 13                  | 9                  | 0,4                 | 7                  | 14                 |

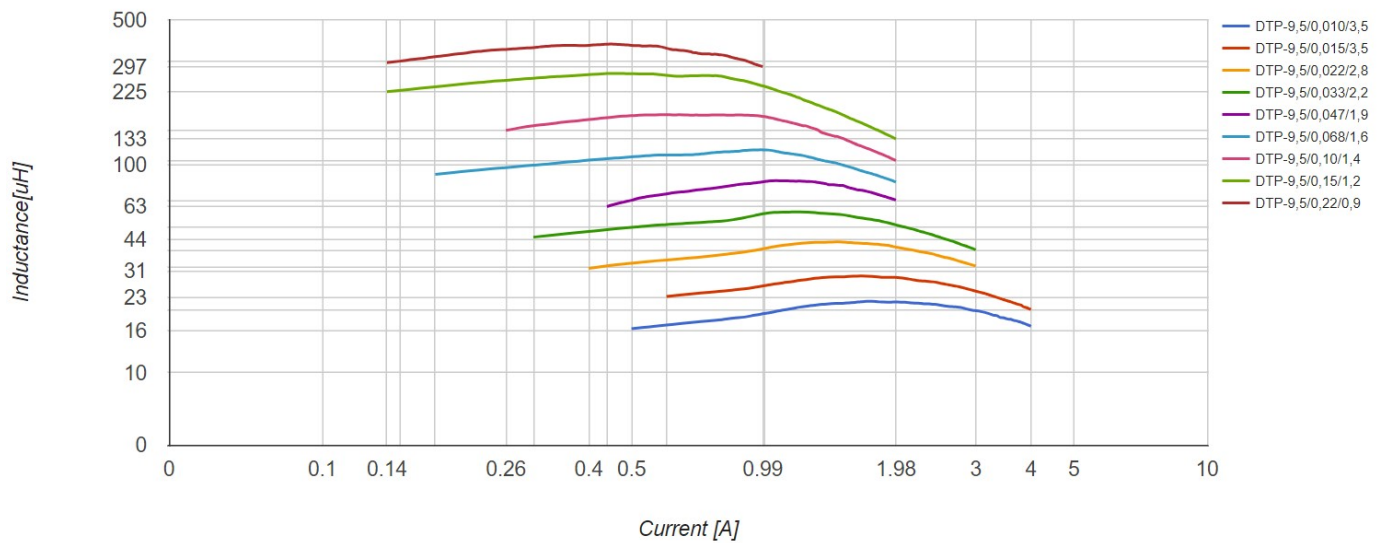
## ELECTRICAL PROPERTIES

| Part number       | $L_{nom}$<br>[ $\mu$ H]<br>$\pm 15\%$ | $I_{nom}$<br>[A] | $L@I_{nomAC}$<br>[ $\mu$ H] | $L@I_{nomDC}$<br>[ $\mu$ H] | $R_{DC}$<br>[m $\Omega$ ] | $\Delta T$<br>[ $^{\circ}$ C]* |
|-------------------|---------------------------------------|------------------|-----------------------------|-----------------------------|---------------------------|--------------------------------|
| DTP-9,5/0,010/3,5 | 10                                    | 3,5              | 32,17                       | 8,3                         | 15,43                     | 14                             |
| DTP-9,5/0,015/3,5 | 15                                    | 3,5              | 36,64                       | 10,4                        | 17,87                     | 16                             |
| DTP-9,5/0,022/2,8 | 22                                    | 2,8              | 52,67                       | 15,5                        | 26,3                      | 16                             |
| DTP-9,5/0,033/2,2 | 33                                    | 2,2              | 77,27                       | 22,2                        | 39,5                      | 16                             |
| DTP-9,5/0,047/1,9 | 47                                    | 1,9              | 114                         | 32,4                        | 53,5                      | 16                             |
| DTP-9,5/0,068/1,6 | 68                                    | 1,6              | 157                         | 45,0                        | 76,0                      | 16                             |
| DTP-9,5/0,10/1,4  | 100                                   | 1,4              | 234                         | 67,0                        | 108,0                     | 18                             |
| DTP-9,5/0,15/1,2  | 150                                   | 1,2              | 344                         | 101                         | 154,2                     | 18                             |
| DTP-9,5/0,22/0,9  | 220                                   | 0,9              | 507                         | 147                         | 218,0                     | 16                             |

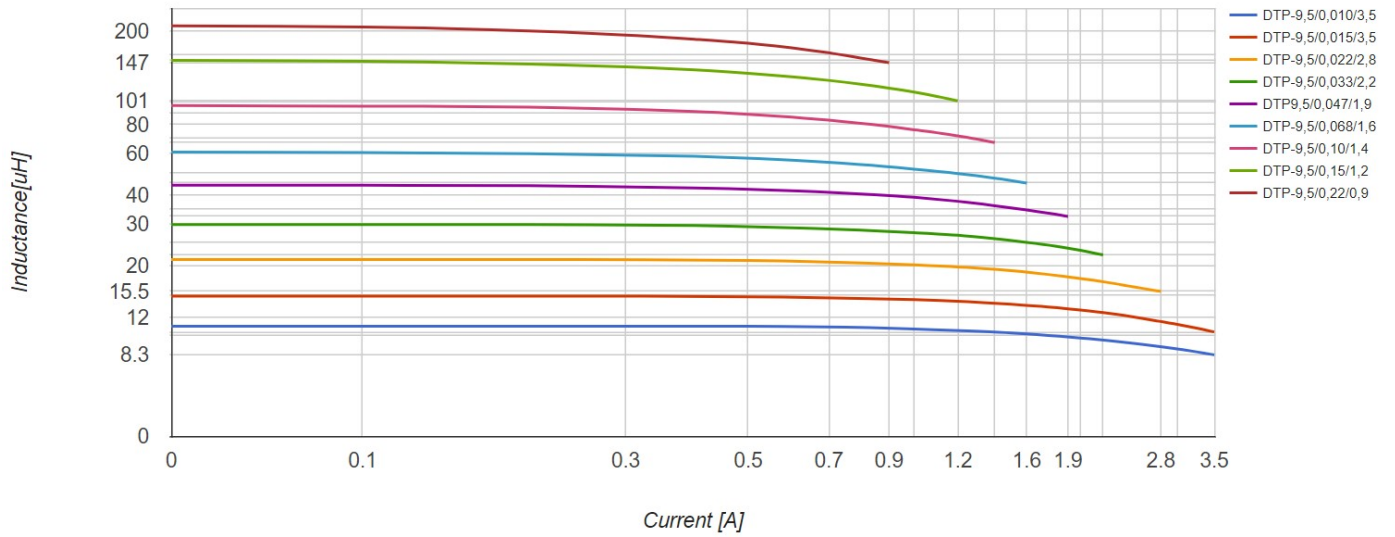
\* winding losses only.

## CHARACTERISTICS:

Inductance AC graph DTP-9,5



Inductance DC graph DTP-9,5



Impedance graph DTP-9,5

