

# DTP-57 - Toroidal Power Inductors

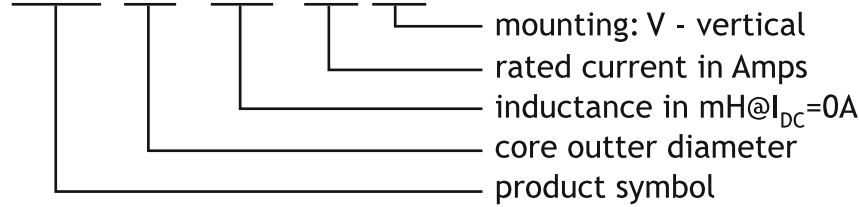


### APPLICATIONS:

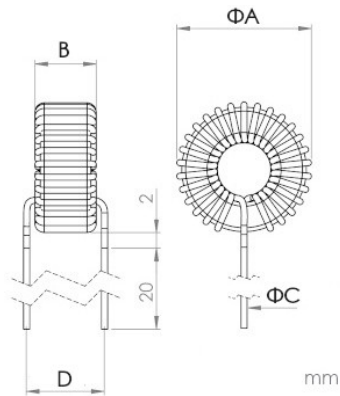
- Electromagnetic interference differential mode filters for power supplies
- Motor powering circuits filters
- Input filters for inverters
- DC smoothing for PSU outputs

### ORDERING CODE:

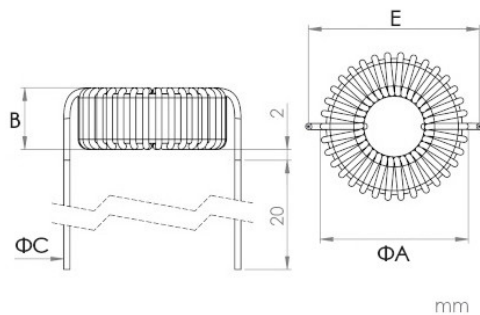
DTP - 57 / 0,010 / 100 - V



### DIMENSIONS



vertical version



horizontal version

| Part number      | Dimensions    |              |               |              |              |
|------------------|---------------|--------------|---------------|--------------|--------------|
|                  | ΦA (max) [mm] | B (max) [mm] | ΦC (max) [mm] | D (max) [mm] | E (max) [mm] |
| DTP-57/0,010/100 | 75            | 40           | 6,6           | 34           | 82           |
| DTP-57/0,015/87  | 76            | 40           | 6,6           | 33           | 83           |
| DTP-57/0,022/75  | 76            | 38           | 6,6           | 37           | 83           |
| DTP-57/0,033/68  | 76            | 39           | 6,6           | 36           | 82           |
| DTP-57/0,047/59  | 74            | 38           | 5,9           | 37           | 80           |
| DTP-57/0,068/52  | 74            | 41           | 5,9           | 37           | 80           |
| DTP-57/0,10/39   | 74            | 42           | 4,9           | 39           | 79           |
| DTP-57/0,15/35   | 71            | 40           | 4,9           | 36           | 76           |
| DTP-57/0,22/30   | 71            | 41           | 4,9           | 44           | 76           |
| DTP-57/0,33/25   | 71            | 40           | 3,7           | 40           | 75           |
| DTP-57/0,47/18   | 71            | 39           | 3,7           | 39           | 75           |
| DTP-57/0,68/14   | 72            | 35           | 2,7           | 38           | 75           |
| DTP-57/1,0/11    | 69            | 36           | 2,7           | 33           | 71           |

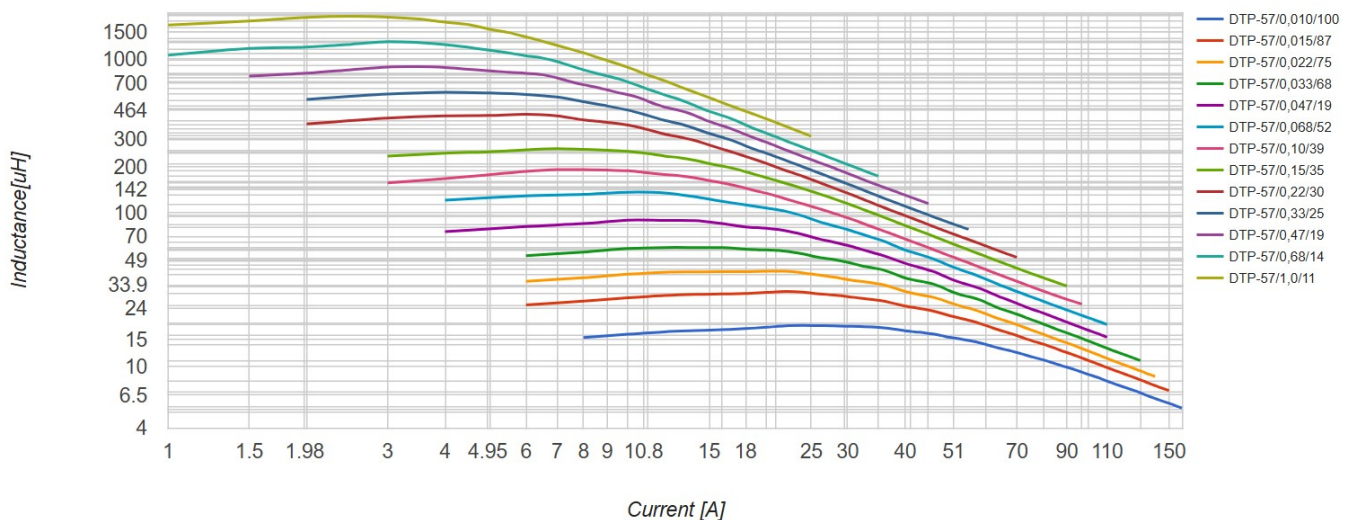
## ELECTRICAL PROPERTIES

| Part number      | $L_{nom}$<br>[ $\mu$ H]<br>$\pm 15\%$ | $I_{nom}$<br>[A] | $L@I_{nom}$<br>[ $\mu$ H] | $R_{DC}$<br>[m $\Omega$ ] | $\Delta T$<br>[ $^{\circ}$ C]* |
|------------------|---------------------------------------|------------------|---------------------------|---------------------------|--------------------------------|
| DTP-57/0,010/100 | 10                                    | 100              | 8,9                       | 0,95                      | 75                             |
| DTP-57/0,015/87  | 15                                    | 87               | 12,7                      | 1,20                      | 72                             |
| DTP-57/0,022/75  | 22                                    | 75               | 17,3                      | 1,50                      | 71                             |
| DTP-57/0,033/68  | 33                                    | 68               | 22,6                      | 1,85                      | 73                             |
| DTP-57/0,047/59  | 47                                    | 59               | 32,0                      | 2,50                      | 76                             |
| DTP-57/0,068/52  | 68                                    | 68               | 43,4                      | 3,50                      | 75                             |
| DTP-57/0,10/39   | 100                                   | 39               | 69,6                      | 4,55                      | 75                             |
| DTP-57/0,15/35   | 150                                   | 35               | 96,6                      | 6,35                      | 81                             |
| DTP-57/0,22/30   | 220                                   | 30               | 134                       | 8,60                      | 83                             |
| DTP-57/0,33/25   | 330                                   | 25               | 190                       | 12,5                      | 78                             |
| DTP-57/0,47/18   | 470                                   | 18               | 302                       | 18,8                      | 73                             |
| DTP-57/0,68/14   | 680                                   | 14               | 498                       | 35,9                      | 82                             |
| DTP-57/1,0/11    | 1000                                  | 11               | 792                       | 55,0                      | 85                             |

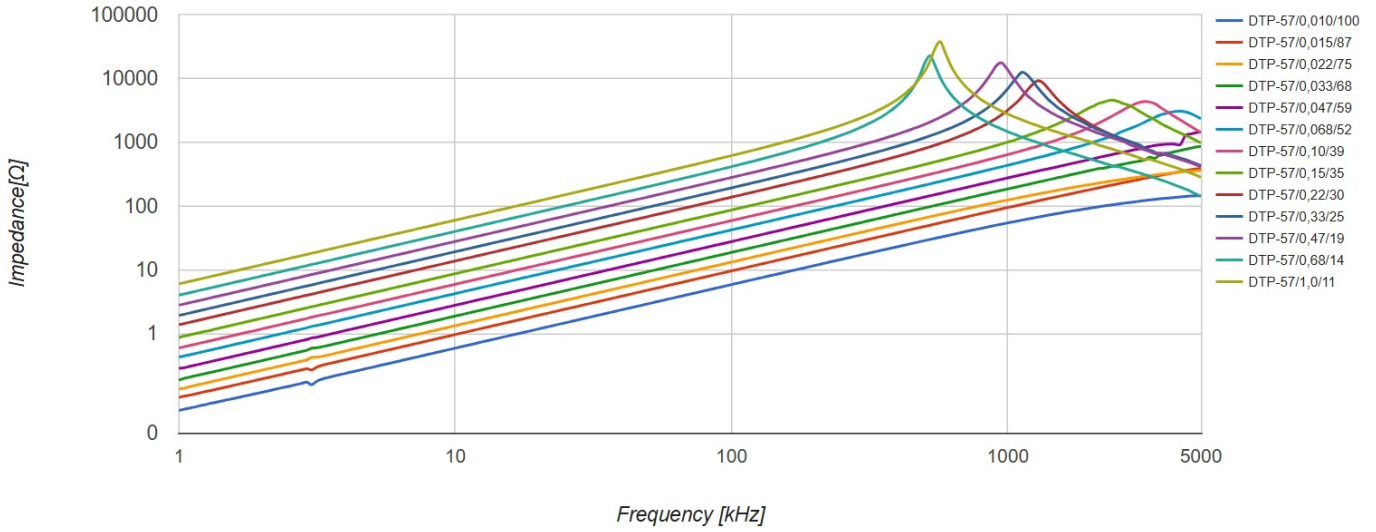
\* winding losses only.

## CHARACTERISTICS:

Inductance AC graph DTP-57



Impedance graph DTP-57



Attenuation graph DTP-57

