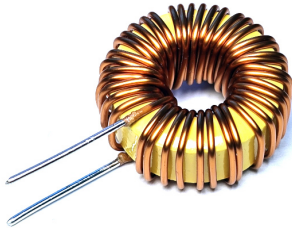


# DTP-23 - Toroidal Power Inductors

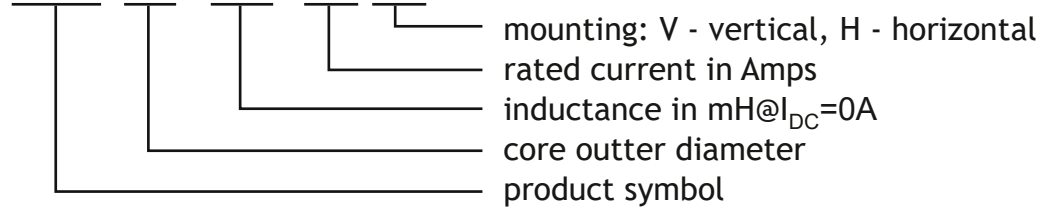


## APPLICATIONS:

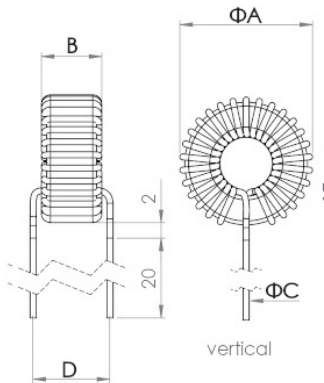
- Electromagnetic interference differential mode filters for power supplies
- Motor powering circuits filters
- Input filters for inverters
- DC smoothing for PSU outputs

## ORDERING CODE:

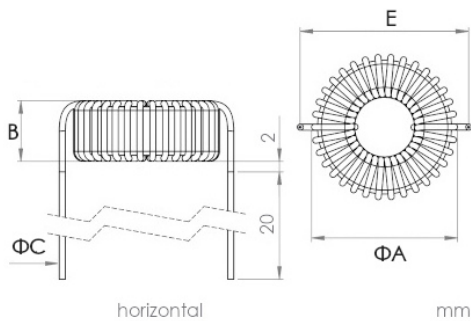
DTP - 23 / 33 / 0,5 - V



## DIMENSIONS



vertical version



horizontal version

Part number	Dimensions				
	ΦA (max) [mm]	B (max) [mm]	ΦC (max) [mm]	D (max) [mm]	E (max) [mm]
DTP-23/0,33/6,3	28	15	1,0	16	30
DTP-23/0,47/5,0	28	15	0,9	16	30
DTP-23/0,68/3,5	29	14	0,9	15	31
DTP-23/1,0/3,1	29	15	0,8	16	31
DTP-23/1,5/2,4	28	14	0,7	15	30
DTP-23/2,2/2,2	29	15	0,6	16	31
DTP-23/3,3/1,9	28	15	0,6	16	30
DTP-23/4,7/1,6	28	14	0,6	15	30
DTP-23/6,8/1,2	28	15	0,6	16	30
DTP-23/10/1,0	28	14	0,5	15	29
DTP-23/15/1,0	28	14	0,5	15	29
DTP-23/22/0,7	27	14	0,5	16	28
DTP-23/33/0,5	27	14	0,4	15	28

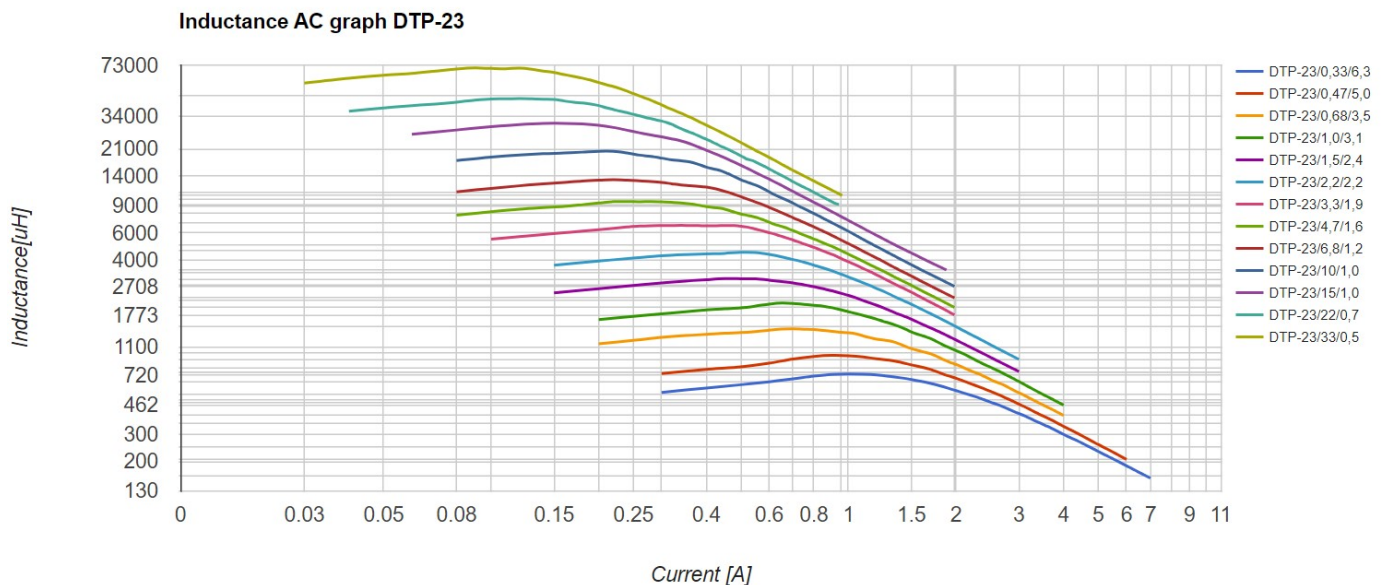
## ELECTRICAL PROPERTIES

Part number	$L_{nom}$ [ $\mu$ H] $\pm 15\%$	$I_{nom}$ [A]	$L@I_{nomAC}$ [ $\mu$ H]	$L@I_{nomDC}$ [ $\mu$ H]	$R_{DC}$ [m $\Omega$ ]	$\Delta T$ [°C]*
DTP-23/0,33/6,3	330	6,3	177	118	80	80
DTP-23/0,47/5,0	470	5,0	257	160	92	60
DTP-23/0,68/3,5	680	3,5	465	275	157	53
DTP-23/1,0/3,1	1000	3,1	630	390	226	58
DTP-23/1,5/2,4	1500	2,4	990	600	355	56
DTP-23/2,2/2,2	2200	2,2	1320	810	470	70
DTP-23/3,3/1,9	3300	1,9	1865	1150	650	60
DTP-23/4,7/1,6	4700	1,6	2550	1600	960	65
DTP-23/6,8/1,2	6800	1,2	4120	2550	1470	63
DTP-23/10/1,0	10000	1,0	6150	3800	2140	69
DTP-23/15/1,0	15000	1,0	7230	4850	2740	75
DTP-23/22/0,7	22000	0,7	12640	8150	4560	56
DTP-23/33/0,5	33000	0,5	23060	13000	5770	39

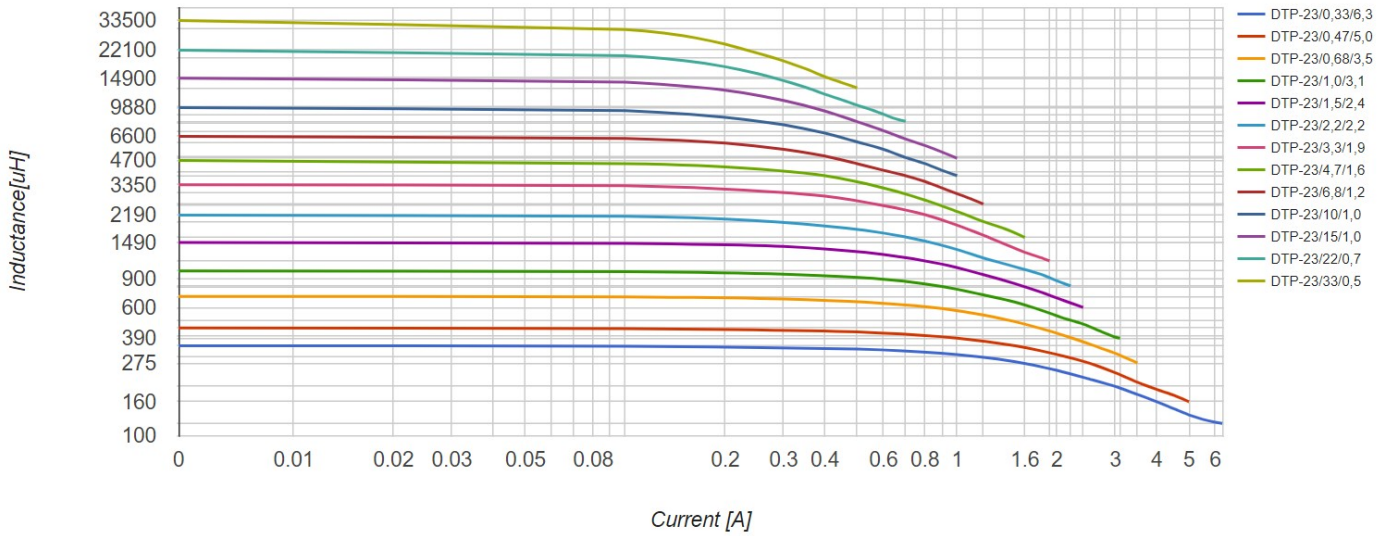
\* winding losses only.

Inductance tolerance:  $\pm 15\%$   
 LCR meter  $f=10\text{kHz}$ , 0.3V  
 [I]- Current max: 0,5A - 6,3A  
 RDC Cu wire resistance  $\pm 20\%$

## CHARACTERISTICS:



Inductance DC graph DTP-23



Impedance graph DTP-23

