

# DTP-47 - Toroidal Power Inductors

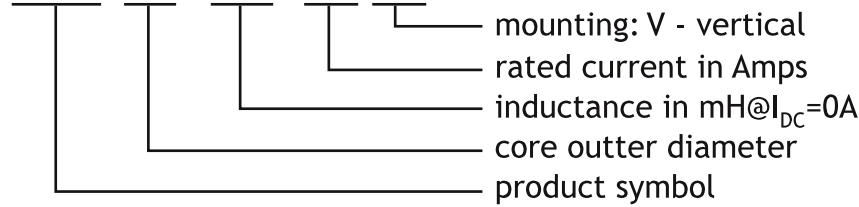


### APPLICATIONS:

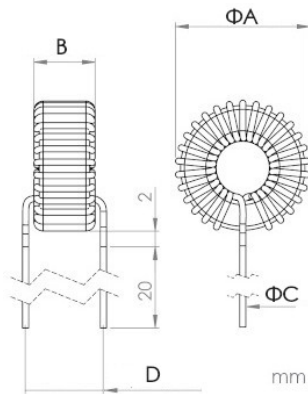
- Electromagnetic interference differential mode filters for power supplies
- Motor powering circuits filters
- Input filters for inverters
- DC smoothing for PSU outputs

### ORDERING CODE:

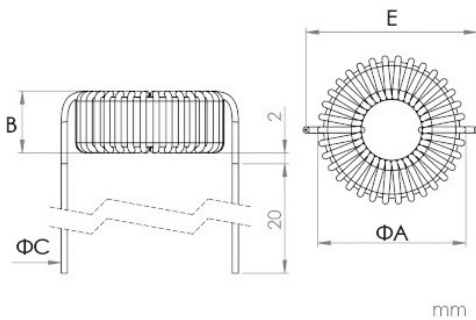
DTP - 47 / 0,010 / 100 - V



### DIMENSIONS



vertical version



horizontal version

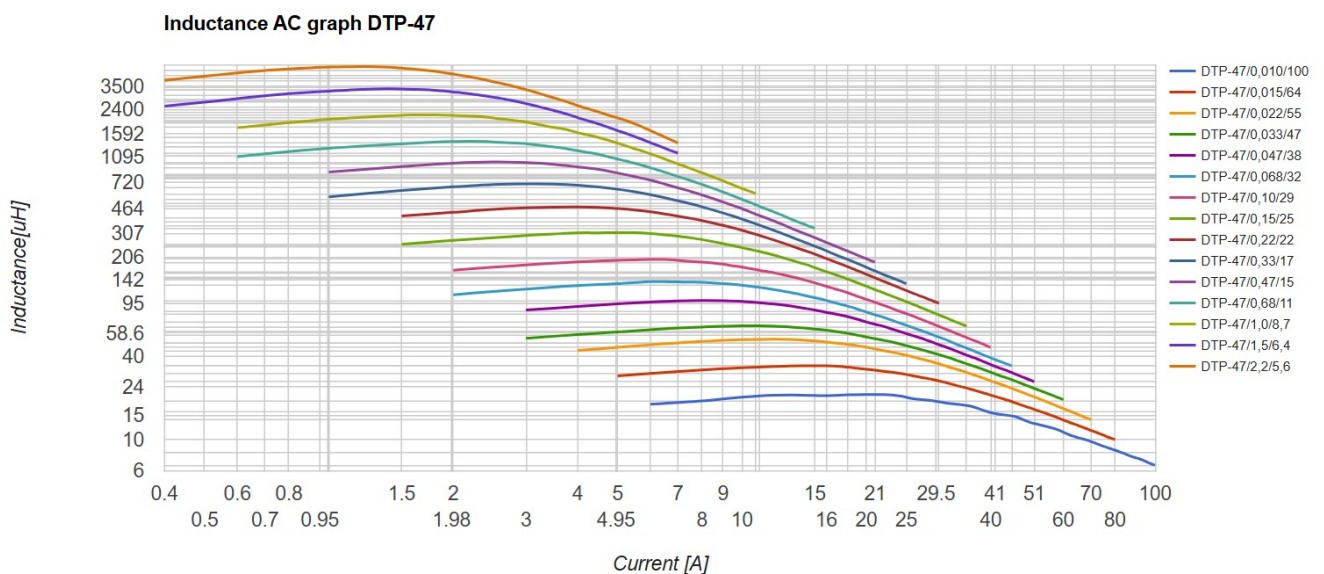
Part number	Dimensions				
	ΦA (max) [mm]	B (max) [mm]	ΦC (max) [mm]	D (max) [mm]	E (max) [mm]
DTP-47/0,010/100	62	31	6,3	21	69
DTP-47/0,015/64	61	31	6,3	24	66
DTP-47/0,022/55	61	30	6,3	23	66
DTP-47/0,033/47	61	29	4,8	23	66
DTP-47/0,047/38	57	27	4,8	26	61
DTP-47/0,068/32	56	27	4,8	23	61
DTP-47/0,10/29	57	27	4,8	28	61
DTP-47/0,15/25	57	28	3,1	26	61
DTP-47/0,22/22	55	27	3,1	24	59
DTP-47/0,33/17	54	26	3,1	25	56
DTP-47/0,47/15	56	26	3,1	24	59
DTP-47/0,68/11	58	26	1,6	24	60
DTP-47/1,0/8,7	57	25	1,6	28	59
DTP-47/1,5/6,4	54	24	1,6	26	56
DTP-47/2,2/5,6	55	24	1,6	29,6	57

## ELECTRICAL PROPERTIES

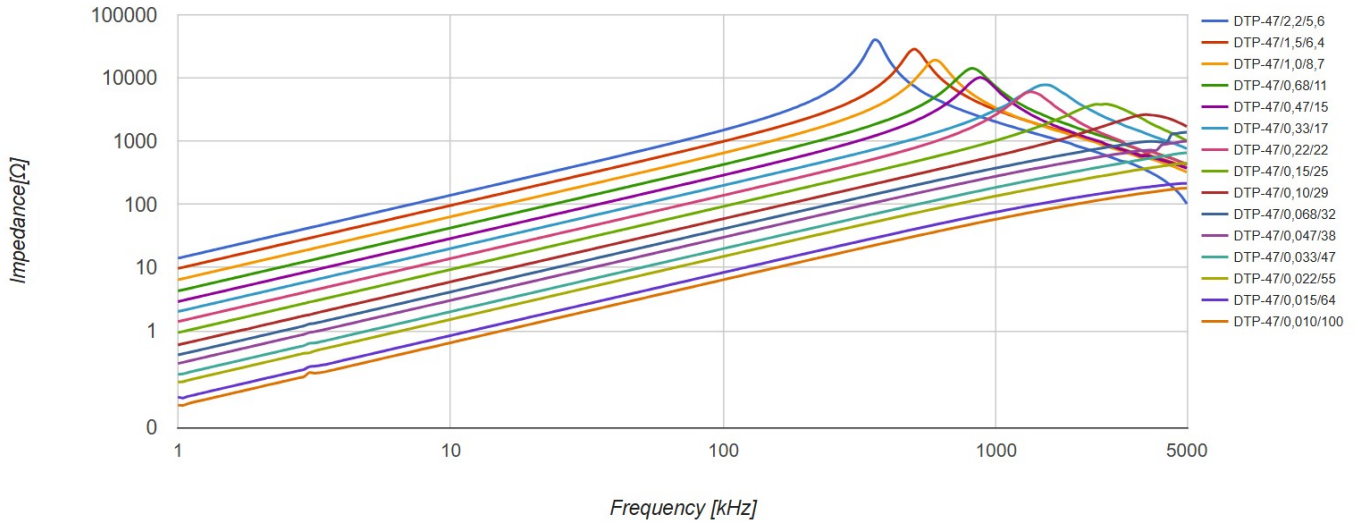
Part number	$L_{nom}$ [ $\mu$ H] $\pm 15\%$	$I_{nom}$ [A]	$L@I_{nom}$ [ $\mu$ H]	$R_{DC}$ [m $\Omega$ ]	$\Delta T$ [ $^{\circ}$ C]*
DTP-47/0,010/100	10	100	6,53	1,05	78
DTP-47/0,015/64	15	64	12,9	1,50	76
DTP-47/0,022/55	22	55	18,6	2,00	73
DTP-47/0,033/47	33	47	25	2,70	76
DTP-47/0,047/38	47	38	37	3,75	77
DTP-47/0,068/32	68	32	50	5,65	78
DTP-47/0,10/29	100	29	68	6,55	80
DTP-47/0,15/25	150	25	98	10,5	74
DTP-47/0,22/22	220	22	138	13,0	70
DTP-47/0,33/17	330	17	212	22,0	70
DTP-47/0,47/15	470	15	285	28,1	74
DTP-47/0,68/11	680	11	480	50	70
DTP-47/1,0/8,7	1000	8,7	760	80	74
DTP-47/1,5/6,4	1000	6,4	1240	150	77
DTP-47/2,2/5,6	1000	5,6	1880	200	70

\* winding losses only.

## CHARACTERISTICS:



Impedance graph DTP-47



Attenuation graph DTP-47

