

DTP-7,8 - Toroidal Power Inductors



APPLICATIONS:

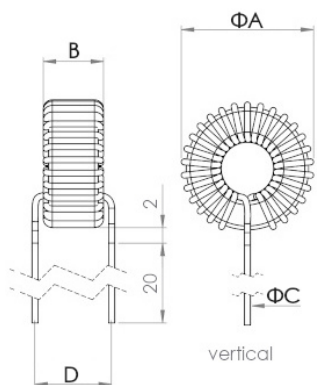
- Electromagnetic interference differential mode filters for power supplies
- Motor powering circuits filters
- Input filters for inverters
- DC smoothing for PSU outputs

ORDERING CODE:

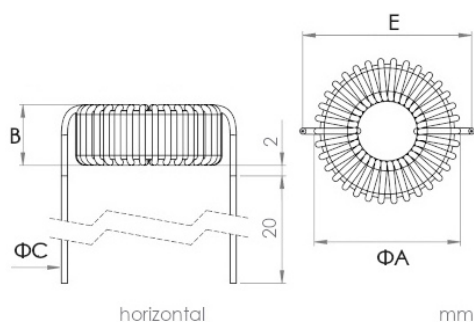
DTP - 7,8 / 0,033 / 0,5 - V

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 ————— mounting: V - vertical, H - horizontal
 ————— rated current in Amps
 ————— inductance in mH@I_{DC}=0A
 ————— core outer diameter
 ————— product symbol

DIMENSIONS



vertical version



horizontal version

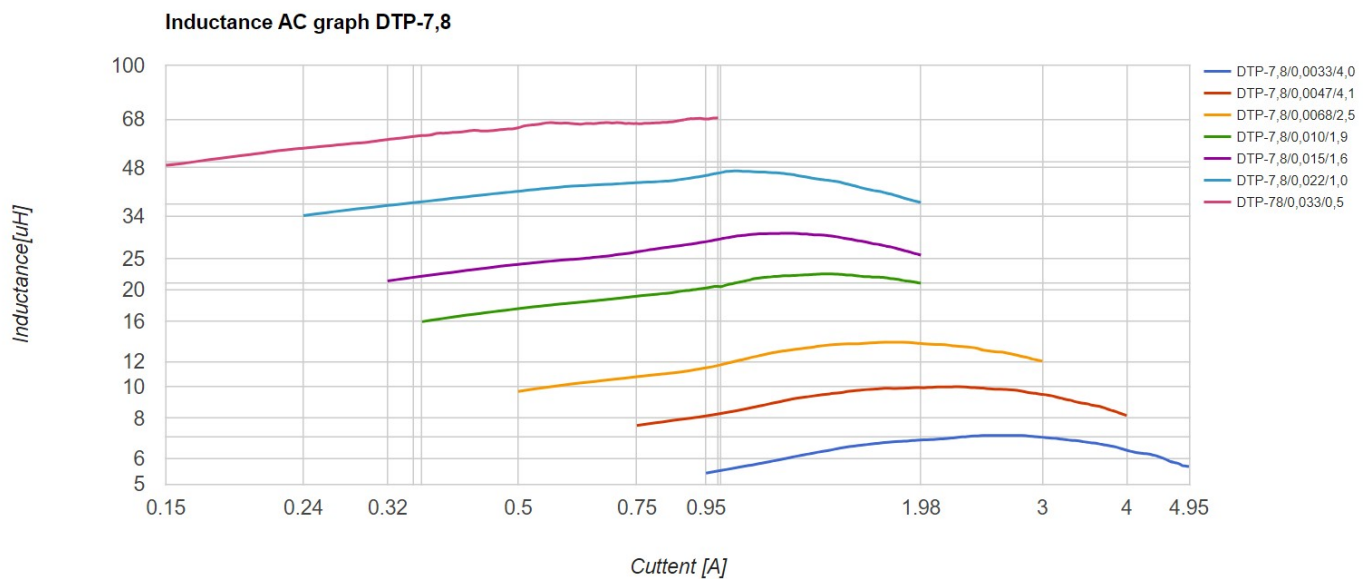
Part number	Dimensions				
	ΦA (max) [mm]	B (max) [mm]	ΦC (max) [mm]	D (max) [mm]	E (max) [mm]
DTP-7,8/0,0033/4,0	11	6	0,8	5	13
DTP-7,8/0,0047/3,1	11	6	0,7	5	13
DTP-7,8/0,0068/2,5	11	6	0,7	5	13
DTP-7,8/0,010/1,9	11	6	0,6	5	13
DTP-7,8/0,015/1,6	10	6	0,5	5	11
DTP-7,8/0,022/1,0	10	5	0,4	5	11
DTP-7,8/0,033/0,5	10	5	0,3	5	11

ELECTRICAL PROPERTIES

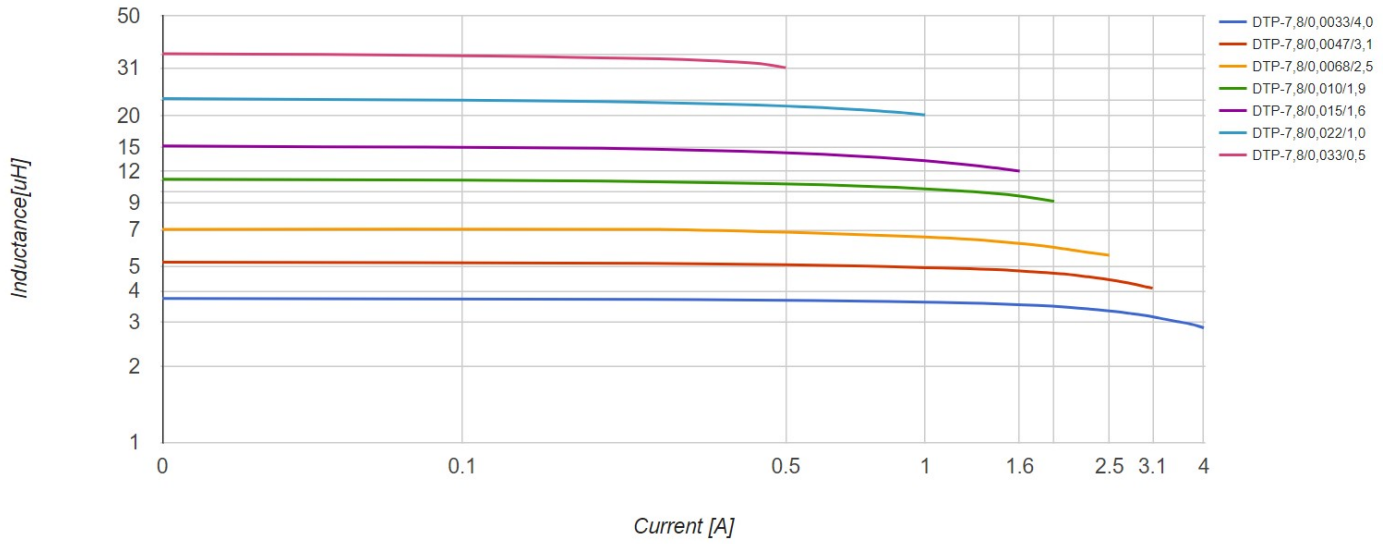
Part number	L_{nom} [μ H] $\pm 15\%$	I_{nom} [A]	$L@I_{nomAC}$ [μ H]	$L@I_{nomDC}$ [μ H]	R_{DC} [m Ω]	ΔT [$^{\circ}$ C]*
DTP-7,8/0,0033/4,0	3,3	4,0	8,94	2,85	6,9	21
DTP-7,8/0,0047/3,1	4,7	3,1	13,04	4,10	10,0	16
DTP-7,8/0,0068/2,5	6,8	2,5	18,53	5,55	14,3	13
DTP-7,8/0,010/1,9	10	1,9	31,10	9,10	23,0	12
DTP-7,8/0,015/1,6	15	1,6	41,64	12,0	32,8	12
DTP-7,8/0,022/1,0	22	1,0	69,02	20,1	63,5	10
DTP-7,8/0,033/0,5	33	0,5	102,35	31,0	141,8	6

* winding losses only.

CHARACTERISTICS:



Inductance DC graph DTP-7,8



Impedance graph DTP-7,8

