sales@feryster.pl

DTMSS - Sendust Power Inductors

APPLICATIONS:

- interference supressing chokes (DC - 300kHz)
- energy storage inductors (DC - 300kHz)
- DC/DC conventers
- SMPS
- EMI filters (DC - 1MHz)
- acoustic filters

COMPLIANCE:

REACH RoHS

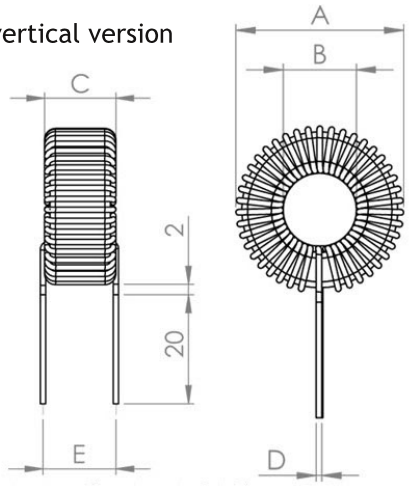
ORDERING CODE:

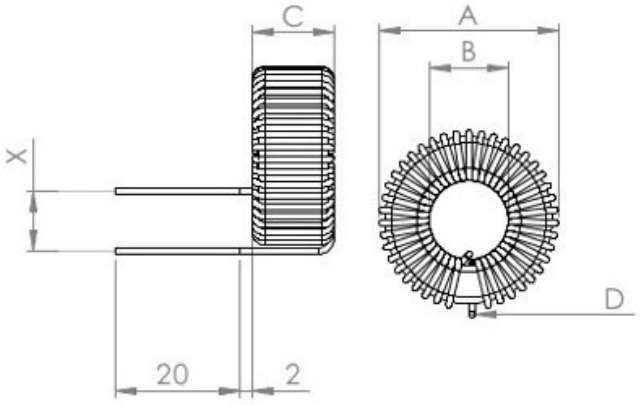
DTMSS- 27 / 2,2 / 2,8 -V

- -V: mounting: HX, HY, HZ - horizontal, V - vertical, CV - case vertical, CH - case horizontal, BV - base vertical, KM5 - base vertical
- 2,8: rated current in Amps
- 2,2: inductance in mH@I_{DC}=0A
- 27: Sendust core outter diameter
- DTMSS-: product symbol

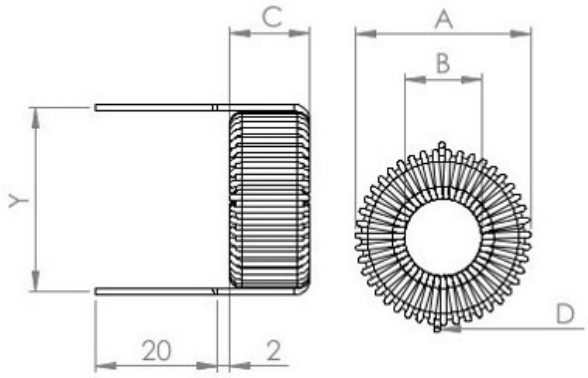
DIMENSIONS:

V - vertical version

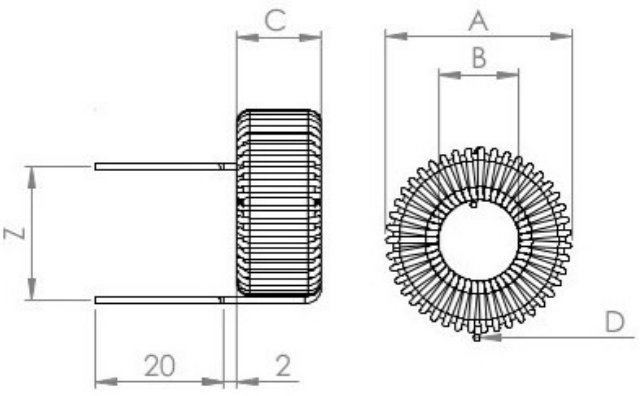




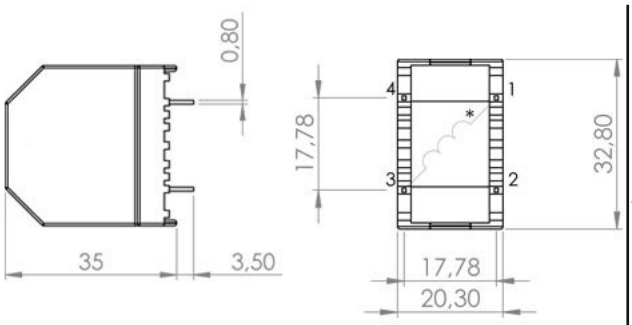
HX - horizontal version



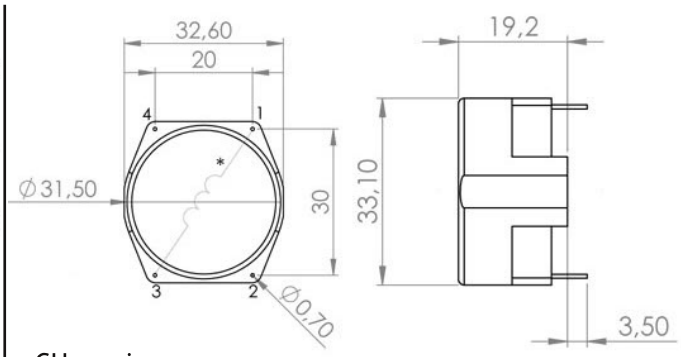
HY - horizontal version



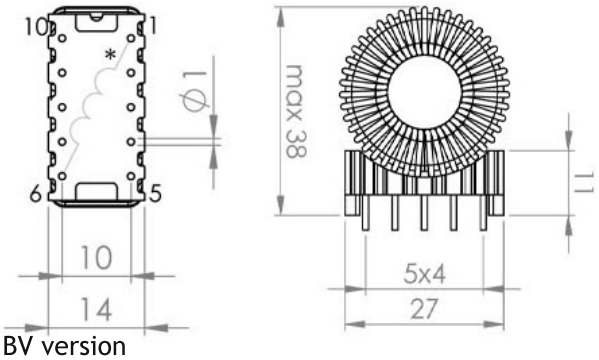
HZ - horizontal version



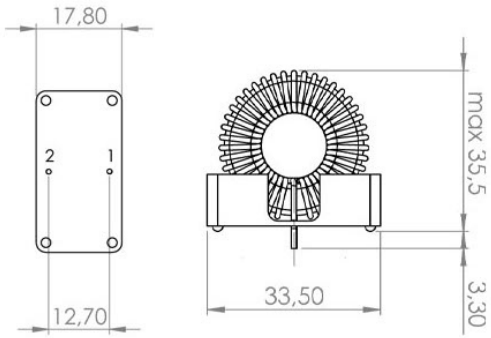
CV version
OBUD-TOR-V-28X15
mat: Ultramid A3X2G5 E36632
UL EIS FER-130 class B - 130°C



CH version
OBUD-TOR-H-31X19
mat: Ultramid A3X2G5 E36632
UL EIS FER-130 class B - 130°C



BV version
POD-27X14-10P
mat:T375J E304813
UL EIS FER-130 class B - 130°C



KM5 version
POD-FATR-KM5-BASE
mat: Phenolic UL-94V-0

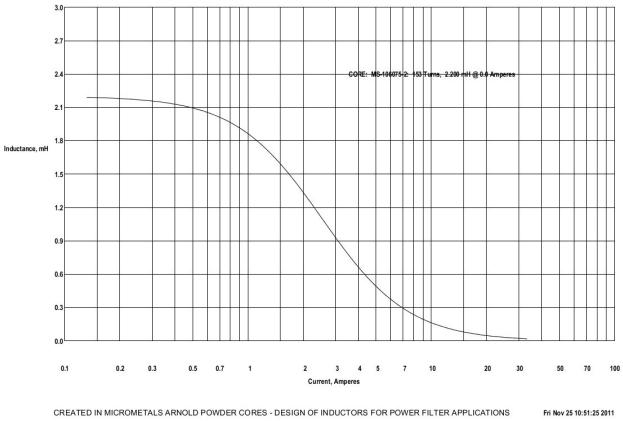
Part number	Dimensions (±10%)								Mounting version					
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	X [mm]	Y [mm]	Z [mm]	V	HX HY HZ	BV	CV	CH	KM5
DTMSS-27/2,2/0,3	28,5	13,5	12,5	0,20	12,5	7,5	28,5	21,5	✓	✓	✓	✓	✓	-
DTMSS-27/1,5/0,4	28,5	13,5	12,5	0,23	12,5	7,5	28,5	21,5	✓	✓	✓	✓	✓	-
DTMSS-27/1,0/0,7	29,0	13,0	13,0	0,30	12,5	7,5	29,0	21,5	✓	✓	✓	✓	✓	-
DTMSS-27/0,68/1,0	29,0	12,5	13,0	0,36	13,0	7,5	29,0	21,5	✓	✓	✓	✓	✓	-
DTMSS-27/0,47/1,6	29,0	11,5	13,5	0,45	13,0	8,5	29,0	21,5	✓	✓	✓	✓	✓	-
DTMSS-27/0,33/2,0	29,0	11,0	13,5	0,50	14,0	8,5	29,0	21,5	✓	✓	✓	✓	✓	-
DTMSS-27/0,22/4,0	30,5	10,0	14,5	0,95	14,5	10,0	30,5	21,5	✓	✓	✓	✓	✓	✓
DTMSS-27/0,15/6,0	31,5	8,5	15,5	1,15	15,5	10,0	31,5	21,5	✓	✓	✓	✓	✓	✓
DTMSS-27/0,10/8,0	31,5	7,5	16,0	1,40	15,5	10,0	31,5	21,5	✓	✓	✓	-	✓	✓
DTMSS-27/0,068/10	32,0	7,5	16,0	1,50	17,5	10,0	32,0	21,5	✓	✓	-	-	-	✓
DTMSS-27/0,047/15	32,5	5,0	16,0	1,90	17,5	11,5	32,5	21,5	✓	✓	-	-	-	✓
DTMSS-27/0,033/20	33,5	4,5	17,0	2,45	17,5	13,0	33,5	21,5	✓	✓	-	-	-	✓
DTMSS-27/0,022/30	33,5	3,0	17,0	2,80	16,5	13,0	33,5	21,5	✓	✓	-	-	-	✓

ELECTRICAL PROPERTIES:

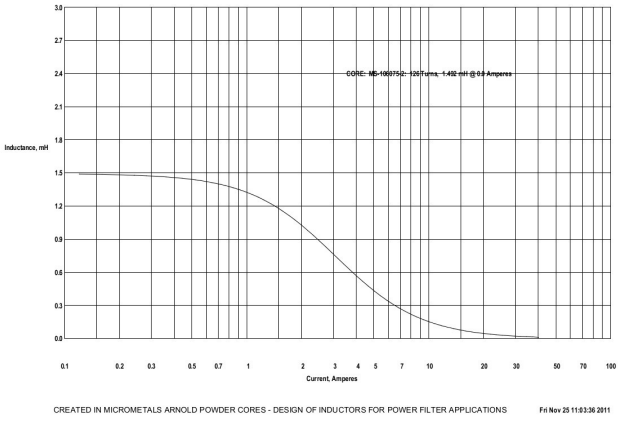
Part number	L_{nom} [µH]	I_{nom} [A]	$L@I_{nom}$ [µH]	R_{DC} [Ω]	$\Delta T@I_{nom}$ [°C] *
DTMSS-27/2,2/0,3	2200	0,3	2160	3,0100	7,4
DTMSS-27/1,5/0,4	1500	0,4	1460	2,2100	10,1
DTMSS-27/1,0/0,7	1000	0,7	954	1,1100	12,1
DTMSS-27/0,68/1,0	680	1,0	640	0,5750	15,2
DTMSS-27/0,47/1,6	470	1,6	429	0,2940	15,9
DTMSS-27/0,33/2,0	330	2,0	294	0,2090	19,8
DTMSS-27/0,22/4,0	220	4,0	170	0,1070	35,6
DTMSS-27/0,15/6,0	150	6,0	106	0,0541	32,9
DTMSS-27/0,10/8,0	100	8,0	68,5	0,0387	45,3
DTMSS-27/0,068/10	68	10	45,2	0,0197	30,0
DTMSS-27/0,047/15	47	15	26,1	0,0100	33,3
DTMSS-27/0,033/20	33	20	17,3	0,0072	38,8
DTMSS-27/0,022/30	22	30	9,12	0,0037	43,7

* winding losses only.

CHARACTERISTICS:



DTMSS-27/2,2/0,3



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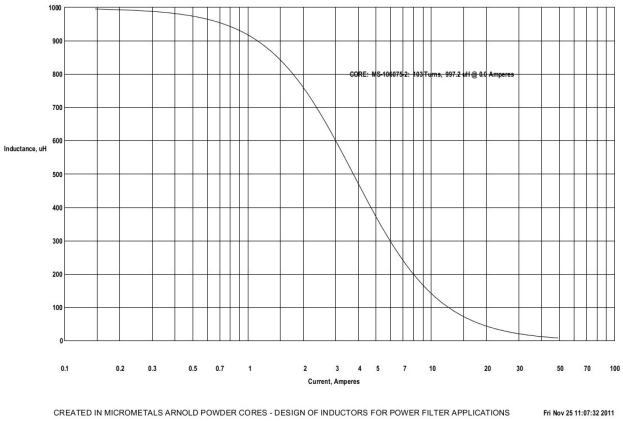
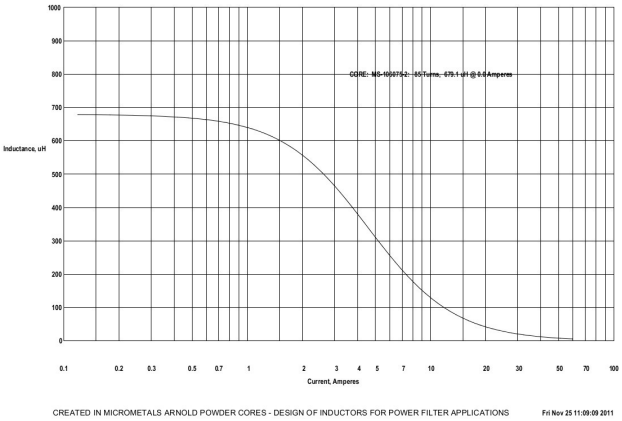
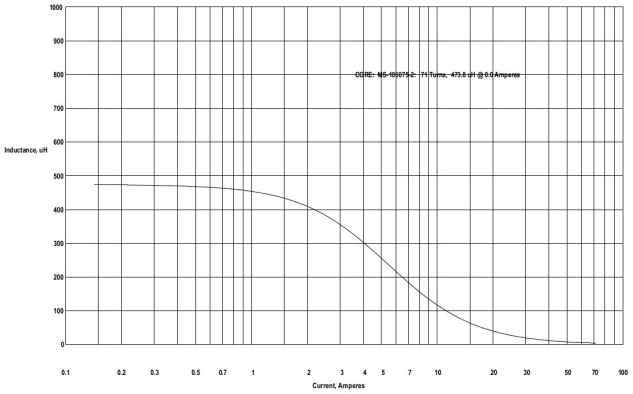


DTMSS-27/1/0,7

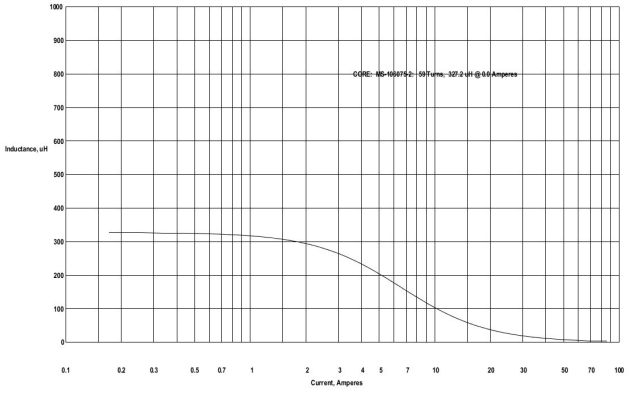


DTMSS-27/0,68/1,0

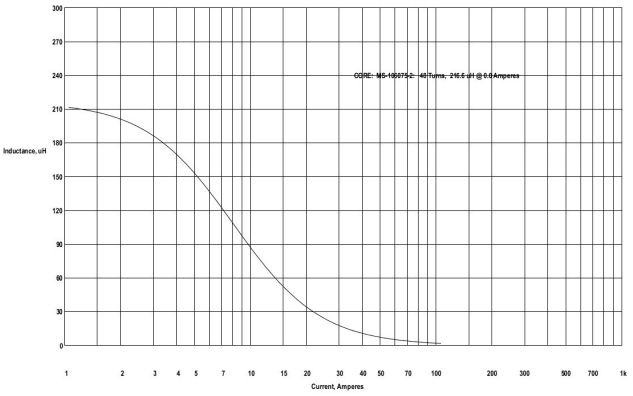
CHARACTERISTICS:



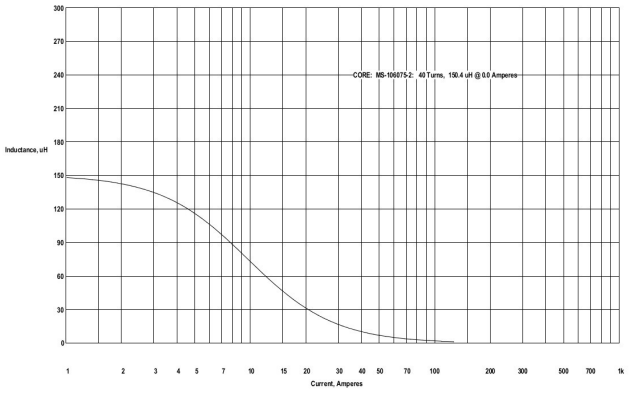
DTMSS-27/0,47/1,6



DTMSS-27/0,33/2,0



DTMSS-27/0,22/4,0



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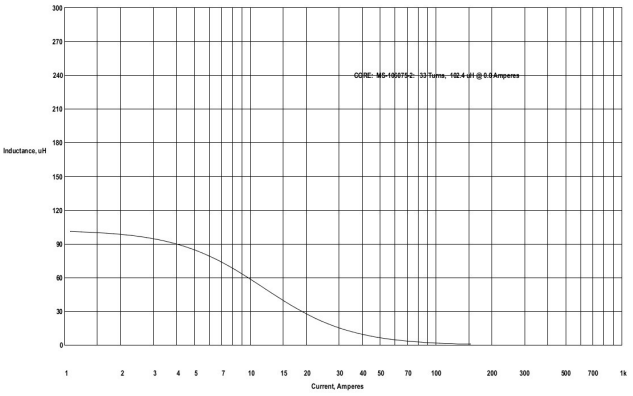
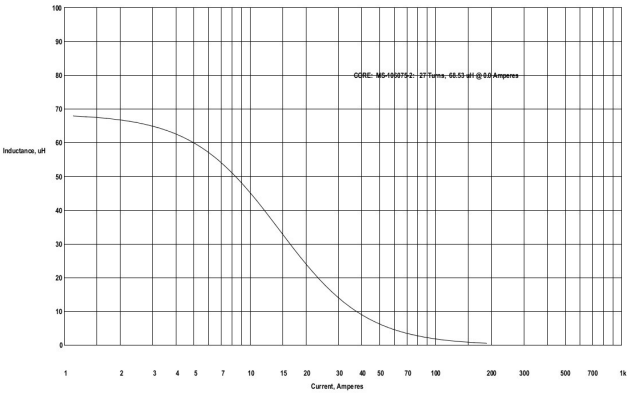
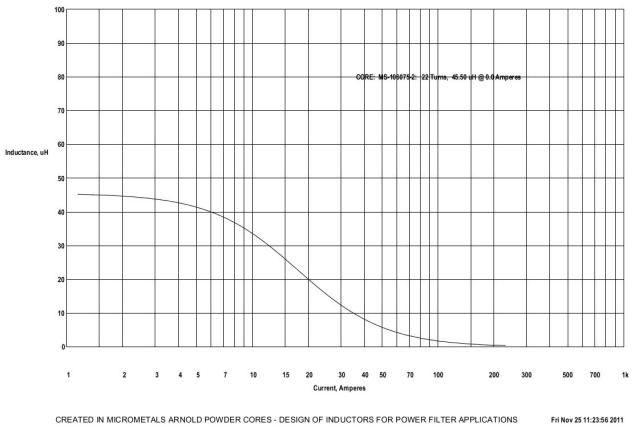


DTMSS-27/0,1/8,0



DTMSS-27/0,068/10

CHARACTERISTICS:



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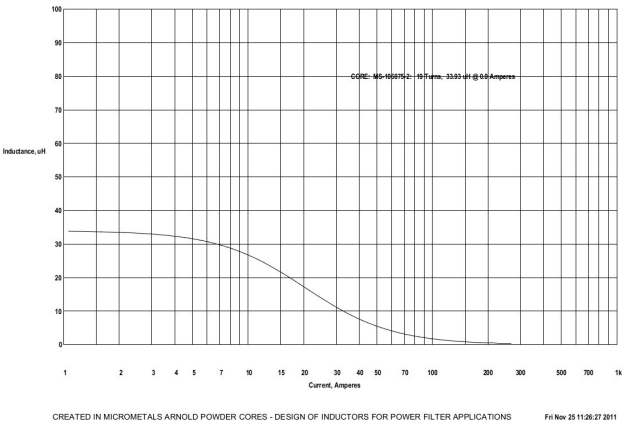

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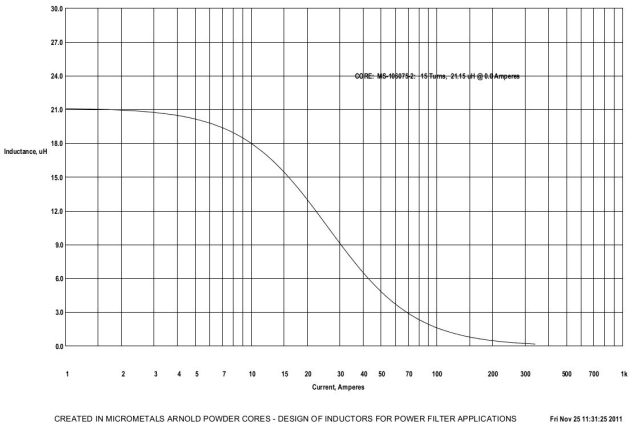
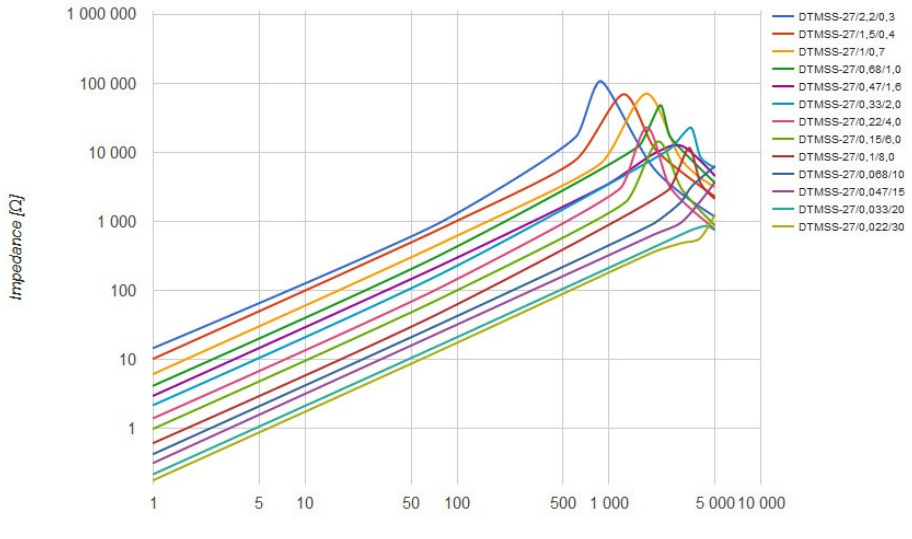
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