

DTMSS - Sendust Power Inductors



APPLICATIONS:

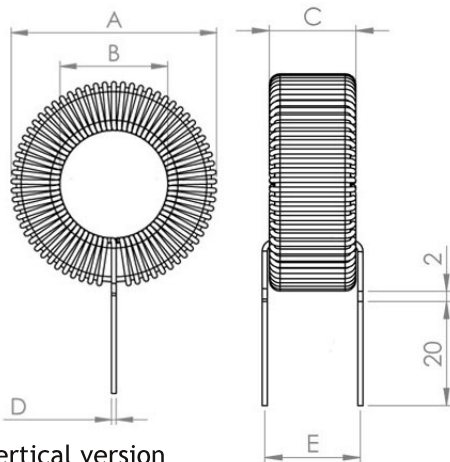
- interference suppressing chokes (DC - 300kHz)
- energy storage inductors (DC - 300kHz)
- DC/DC converters
- SMPS
- EMI filters (DC - 1MHz)
- acoustic filters

ORDERING CODE:

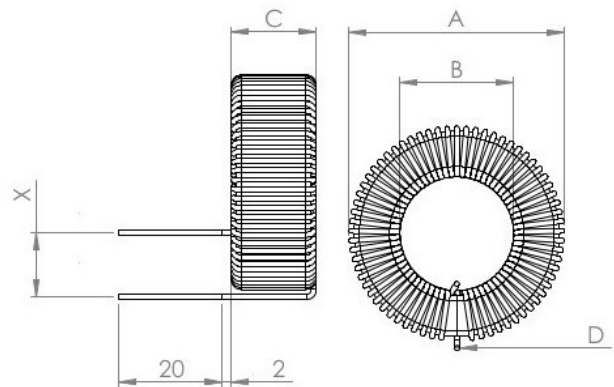
DTMSS- 47 / 6,8 / 0,4 - V

DTMSS- 47 / 6,8 / 0,4 - V
 47 - mounting: HX, HY, HZ - horizontal, V - vertical, CH - case horizontal, CV - case vertical, BV - base vertical
 6,8 - rated current in Amps
 0,4 - inductance in mH@ $I_{DC}=0A$
 V - Sendust core outer diameter
 product symbol

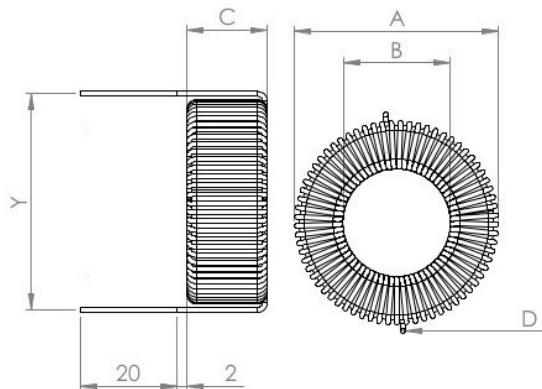
DIMENSIONS:



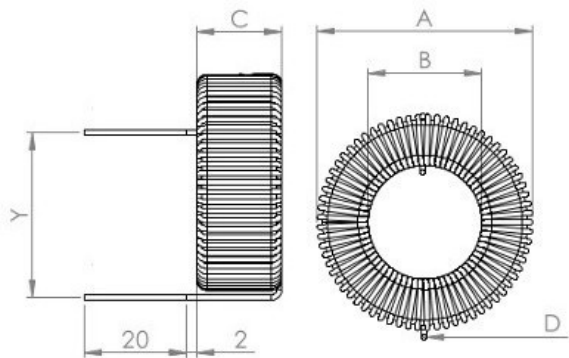
V - vertical version



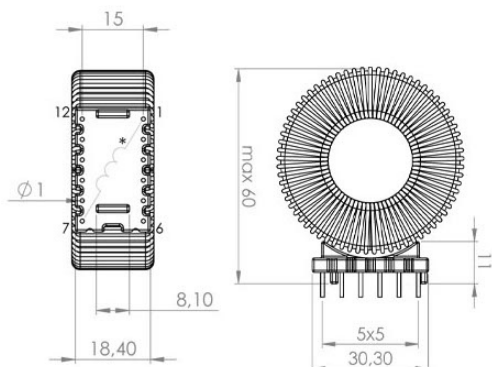
HX - horizontal version



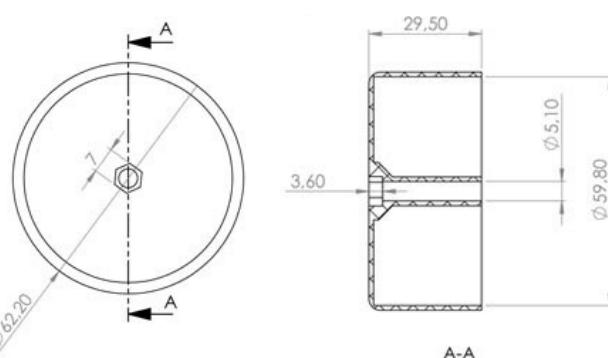
HY - horizontal version



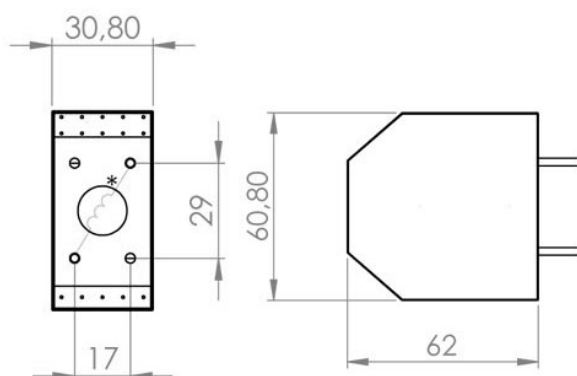
HZ - horizontal version



BV version
POD-30X18,5-12P
mat:T375J [E304813](#)



CH version
OBUD-TOR-H-60X29,5
mat: Durethan BG30 X [E245249](#)



CV version
OBUD-TOR-V-58X28
mat: Durethan BG30 X [E245249](#)

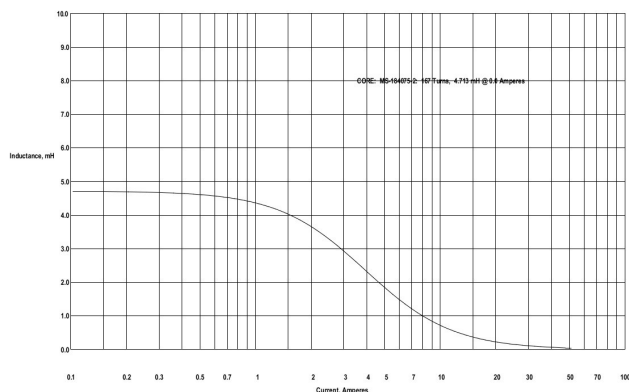
Part number	Dimensions (±10%)								Mounting version				
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	X [mm]	Y [mm]	Z [mm]	V	HX HY HZ	BV	CV	CH
DTMSS-47/6,8/0,4	48,5	21,5	20,0	0,23	21,0	13,0	48,5	36,0	✓	✓	✓	✓	✓
DTMSS-47/4,7/0,7	48,5	21,5	20,0	0,30	21,0	13,0	48,5	36,0	✓	✓	✓	✓	✓
DTMSS-47/3,3/0,8	49,0	21,5	20,0	0,32	21,0	13,5	49,0	36,0	✓	✓	✓	✓	✓
DTMSS-47/2,2/1,2	49,0	21,0	20,5	0,40	21,0	13,5	49,0	36,0	✓	✓	✓	✓	✓
DTMSS-47/1,5/2,0	49,5	20,5	20,5	0,50	21,0	13,5	49,5	36,0	✓	✓	✓	✓	✓
DTMSS-47/1,0/4,0	52,0	18,0	23,0	1,00	22,0	15,0	52,0	37,0	✓	✓	✓	✓	✓
DTMSS-47/0,68/6,0	52,0	18,0	23,0	1,15	22,0	17,0	52,0	37,0	✓	✓	✓	✓	✓
DTMSS-47/0,47/8,0	52,0	16,5	23,0	1,40	23,5	17,0	52,0	37,0	✓	✓	-	✓	✓
DTMSS-47/0,33/10	53,0	16,0	23,5	1,70	23,5	17,0	53,0	37,0	✓	✓	-	✓	✓
DTMSS-47/0,22/15	53,0	15,5	24,0	1,90	23,5	18,5	53,0	37,0	✓	✓	-	✓	✓
DTMSS-47/0,15/18	53,0	17,0	24,0	2,70	24,5	18,5	53,0	37,0	✓	✓	-	✓	✓
DTMSS-47/0,10/30	55,0	14,0	25,0	2,90	24,5	19,0	55,0	37,0	✓	✓	-	✓	✓
DTMSS-47/0,068/45	56,0	12,0	26,5	4,00	24,5	19,0	56,0	37,0	✓	✓	-	✓	✓

ELECTRICAL PROPERTIES

Part number	L_{nom} [μH]	I_{nom} [A]	$L@I_{nom}$ [μH]	R_{DC} [Ω]	$\Delta T@I_{nom}$ [°C] *
DTMSS-47/6,8/0,4	6800	0,4	6690	6,03	9,60
DTMSS-47/4,7/0,7	4700	0,7	4520	3,12	13,9
DTMSS-47/3,3/0,8	3300	0,8	3190	2,22	12,5
DTMSS-47/2,2/1,2	2200	1,2	2080	1,13	14,0
DTMSS-47/1,5/2,0	1500	2,0	1360	0,567	18,8
DTMSS-47/1,0/4,0	1000	4,0	802	0,290	34,3
DTMSS-47/0,68/6,0	680	6,0	492	0,205	46,6
DTMSS-47/0,47/8,0	470	8,0	328	0,104	44,0
DTMSS-47/0,33/10	330	10	221	0,054	36,7
DTMSS-47/0,22/15	220	15	129	0,0375	27,3
DTMSS-47/0,15/18	150	18	89,4	0,0189	39,0
DTMSS-47/0,10/30	100	30	44,5	0,00966	50,6
DTMSS-47/0,068/45	68	45	24,4	0,00495	46,1

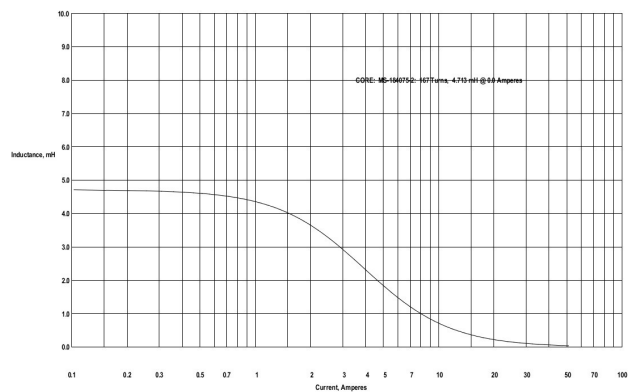
* winding losses only.

CHARACTERISTICS:



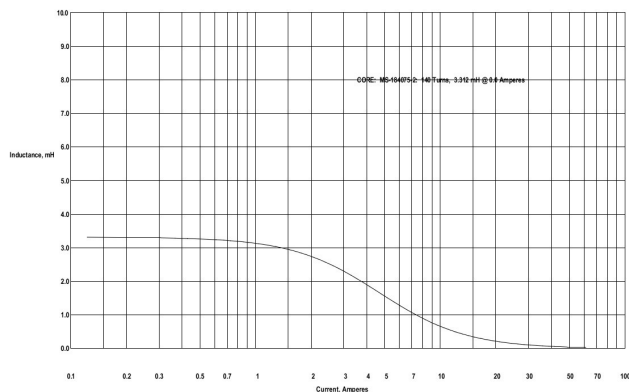
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Mon Nov 28 10:00:24 2011

DTMSS-47/6,8/0,4



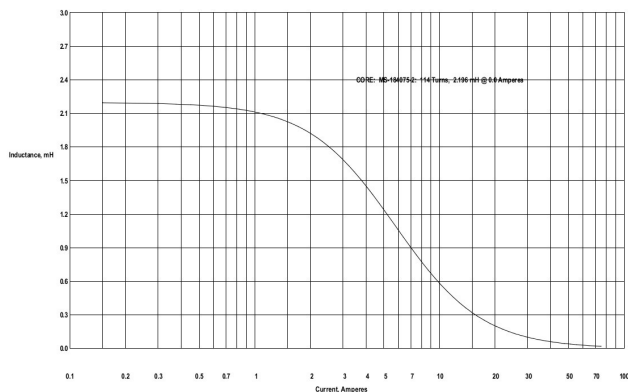
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Mon Nov 28 10:00:24 2011

DTMSS-47/4,7/0,7



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Mon Nov 28 10:00:47 2011

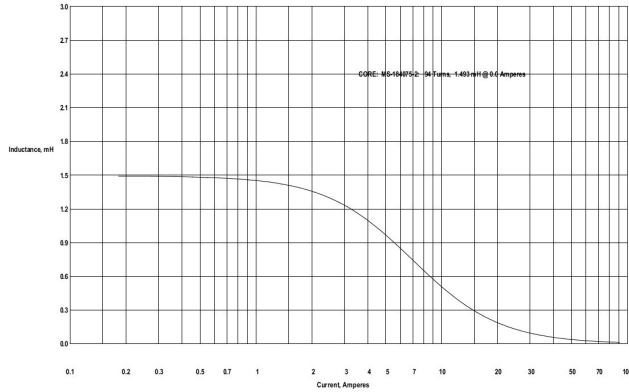
DTMSS-47/3,3/0,8



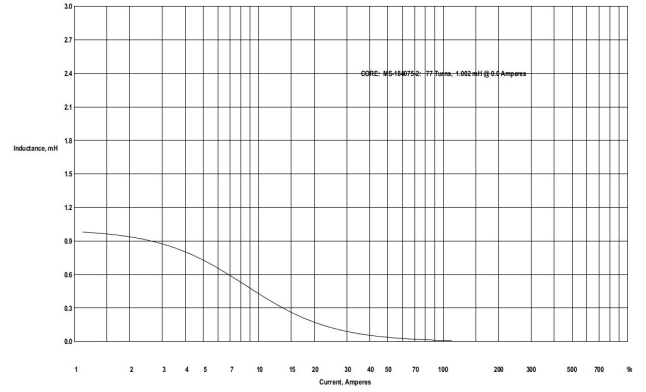
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Mon Nov 28 10:10:33 2011

DTMSS-47/2,2/1,2

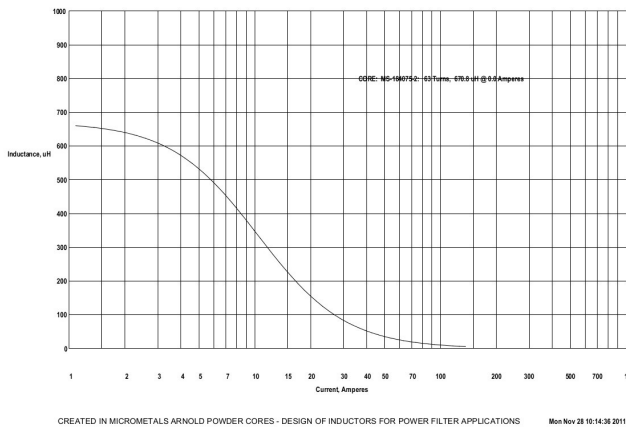
CHARACTERISTICS:



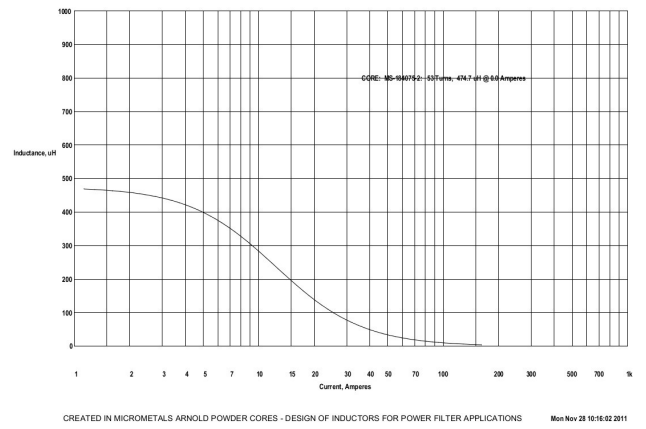
DTMS-47/1,5/2,0



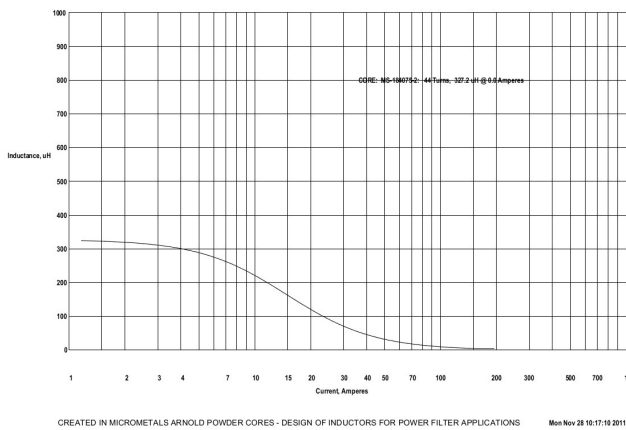
DTMS-47/1/4,0



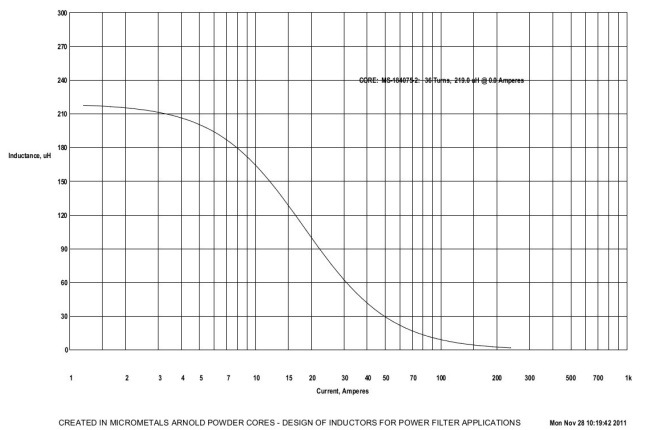
DTMS-47/0,68/6,0



DTMS-47/0,47/8,0

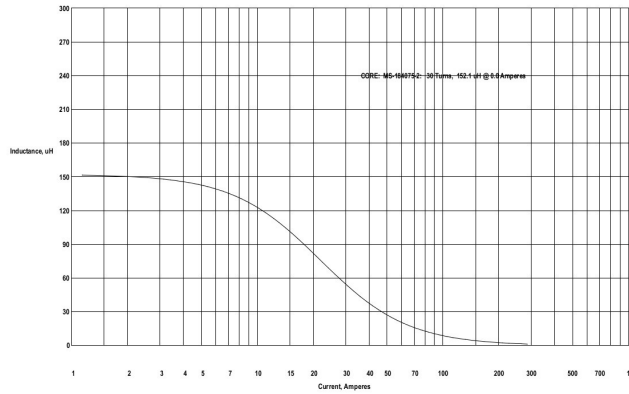


DTMS-47/0,33/10



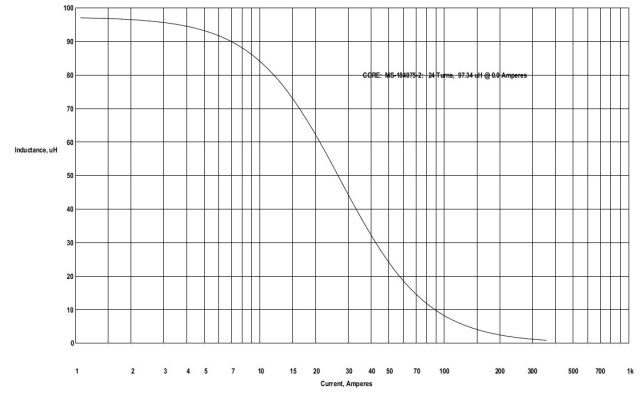
DTMS-47/0,22/15

CHARACTERISTICS:



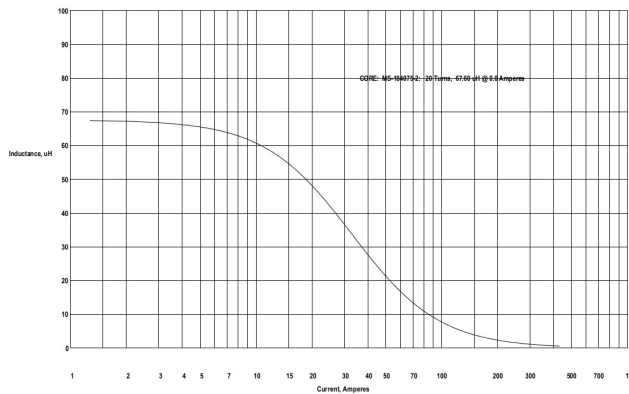
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Mon Nov 28 10:23:30 2011

DTMS-47/0,15/18



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Mon Nov 28 13:23:07 2011

DTMS-47/0,1/30



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Mon Nov 28 13:24:29 2011

DTMS-47/0,068/45

