

DTMSS-20 SENDUST POWER INDUCTORS



APPLICATIONS:

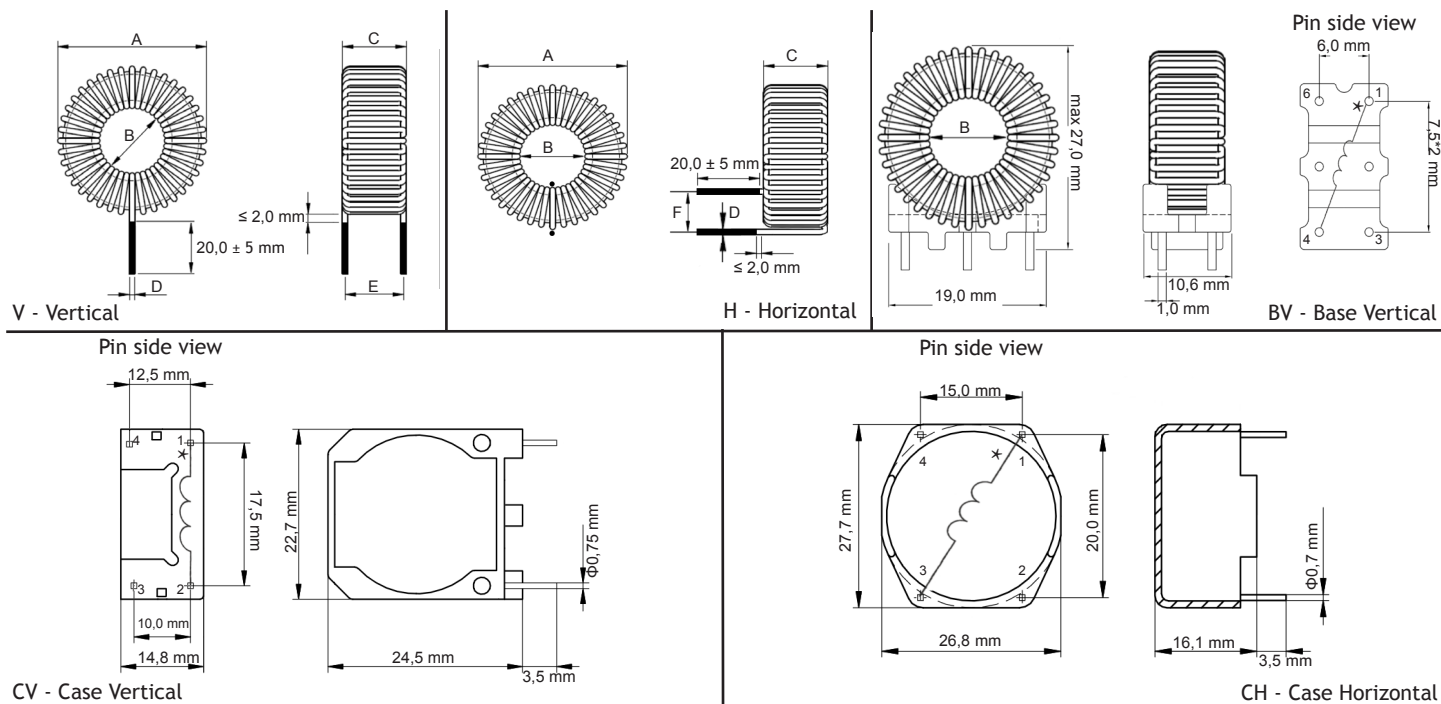
- interference suppressing chokes (DC - 300kHz)
- energy storage inductors (DC - 300kHz)
- DC/DC converters
- SMPS
- EMI filters (DC - 1 MHz)
- acoustic filters

ORDERING CODE:

DTMSS- 20 / 1 / 0,2-V

mounting: V - vertical, H - horizontal, BV - base vertical,
CV - case vertical, CH - case horizontal
rated current in Amps
inductance in mH@ $I_{DC} = 0A$
sendust core outer diameter
product symbol

DIMENSIONS:

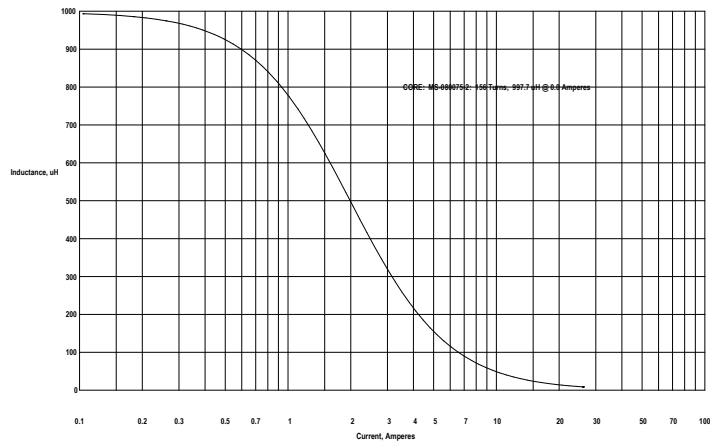


Part number	Type - core dimension ($\pm 10\%$)						Mounting version				
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	V	H	BV	CV	CH
DTMSS-20/1,00/0,2	21,5	11,5	7,5	0,16	7,0	5,0	✓	✓	✓	✓	✓
DTMSS-20/0,68/0,3	21,5	11,5	7,5	0,2	7,0	5,0	✓	✓	✓	✓	✓
DTMSS-20/0,47/0,5	21,5	11,5	7,5	0,25	7,0	5,0	✓	✓	✓	✓	✓
DTMSS-20/0,33/0,8	21,5	11,5	7,5	0,32	7,0	5,0	✓	✓	✓	✓	✓
DTMSS-20/0,22/1,0	22,0	11,0	8,0	0,36	7,0	5,0	✓	✓	✓	✓	✓
DTMSS-20/0,15/1,6	22,0	9,5	8,5	0,45	8,0	5,5	✓	✓	✓	—	✓
DTMSS-20/0,10/2,4	22,5	9,5	9,0	0,75	8,0	6,0	✓	✓	✓	—	✓
DTMSS-20/0,068/4,0	23,5	8,5	9,5	1,0	8,0	7,0	✓	✓	—	—	—
DTMSS-20/0,047/6,0	23,5	8,0	10,0	1,15	9,0	7,0	✓	✓	—	—	—
DTMSS-20/0,033/8,0	24,0	6,5	10,5	1,5	9,0	8,5	✓	✓	—	—	—
DTMSS-20/0,022/10	24,5	5,5	10,5	1,55	9,0	9,0	✓	✓	—	—	—
DTMSS-20/0,015/15	25,5	5,5	11,5	1,9	10,0	9,0	✓	✓	—	—	—
DTMSS-20/0,010/20	26,5	3,0	13,0	2,4	10,0	10,5	✓	✓	—	—	—

ELECTRICAL PROPERTIES:

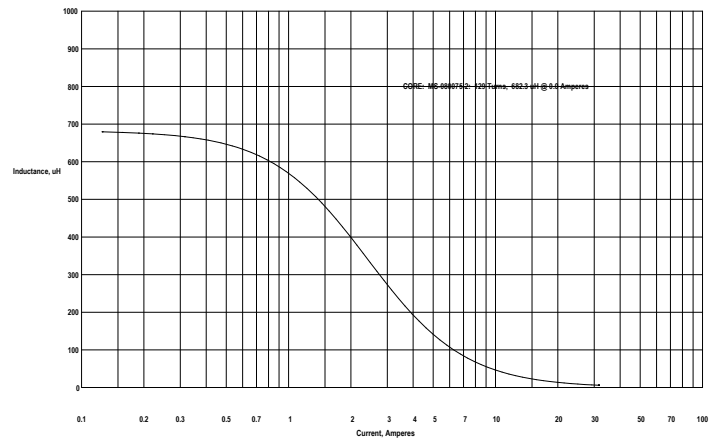
Part number	Lmax [μH]	Imax [A]	L@Imax [μH]	RDC [Ω]	Δt [°C]
DTMSS-20/1,00/0,2	1000	0,20	983	3,31	6,4
DTMSS-20/0,68/0,3	680	0,30	668	1,64	7,3
DTMSS-20/0,47/0,5	470	0,50	452	0,872	12,1
DTMSS-20/0,33/0,8	330	0,80	311	0,450	12,6
DTMSS-20/0,22/1,0	220	1,00	204	0,318	12,7
DTMSS-20/0,15/1,6	150	1,60	132	0,164	15,8
DTMSS-20/0,10/2,4	100	2,40	84,3	0,0834	17,7
DTMSS-20/0,068/4,0	68	4,0	52,7	0,0451	29,1
DTMSS-20/0,047/6,0	47	6,0	32,4	0,0308	32,8
DTMSS-20/0,033/8,0	33	8,0	20,8	0,0159	36,8
DTMSS-20/0,022/10	22	10,0	13,8	0,0114	37,0
DTMSS-20/0,015/15	15	15,0	7,98	0,0059	34,3
DTMSS-20/0,010/20	10	20,0	5,10	0,0042	46,9

CHARACTERISTICS:



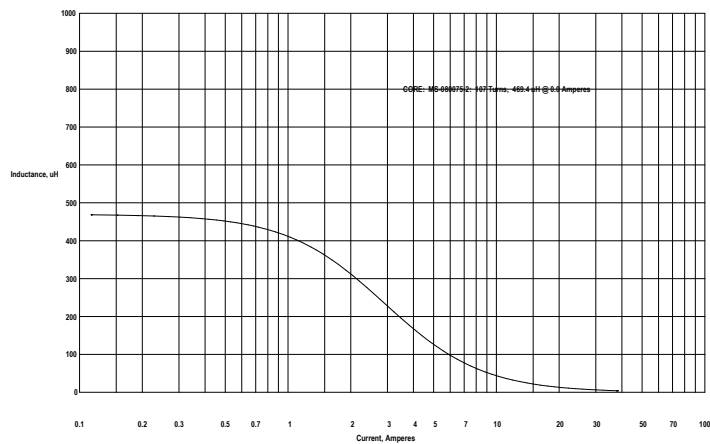
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 08:40:22 2011

DTMSS-20/1/0,2



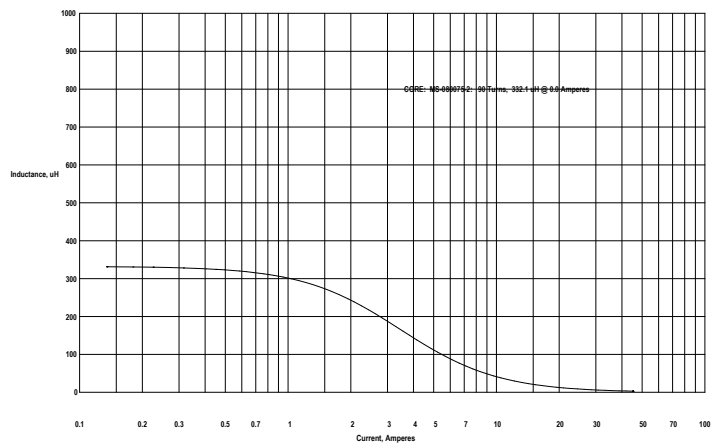
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 08:51:36 2011

DTMSS-20/0,68/0,3



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 08:53:32 2011

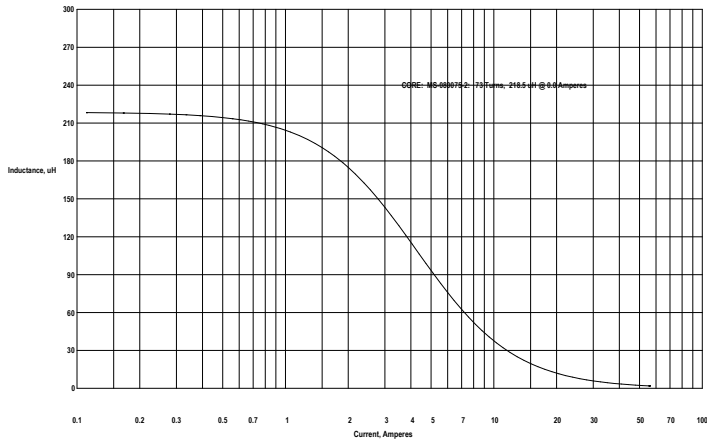
DTMSS-20/0,47/0,5



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 09:00:31 2011

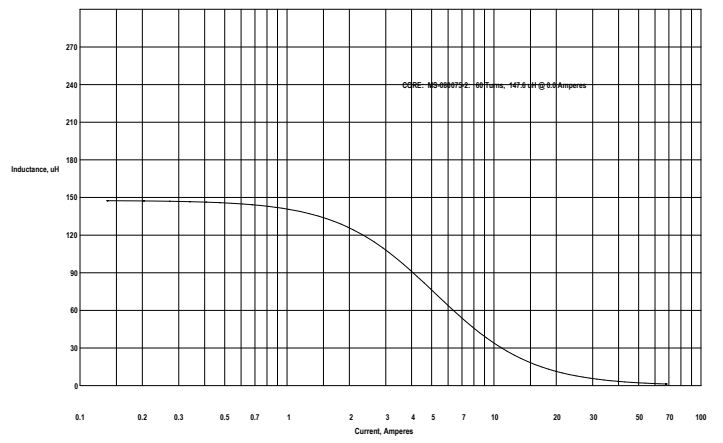
DTMSS-20/0,33/0,8

CHARACTERISTICS:



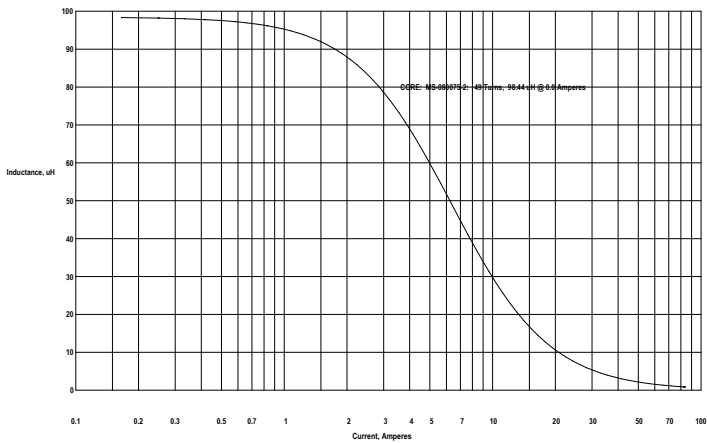
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 09:02:28 2011

DTSS-20/0,22/1,0



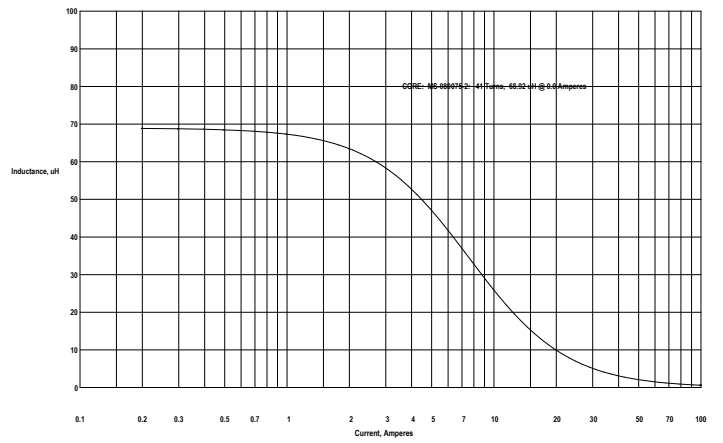
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DTSS-20/0,15/1,6



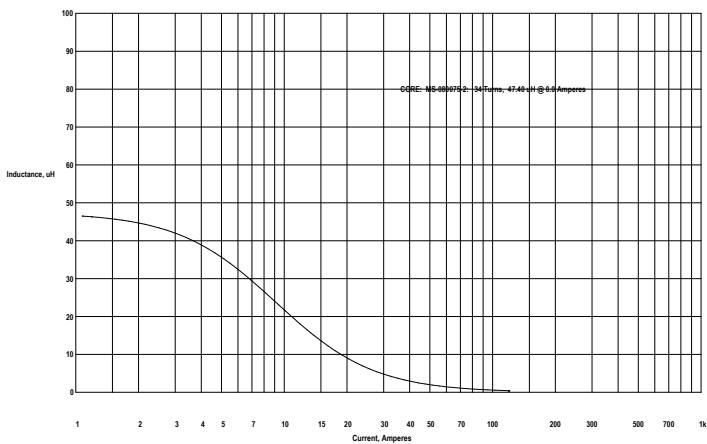
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DTSS-20/0,1/2,4



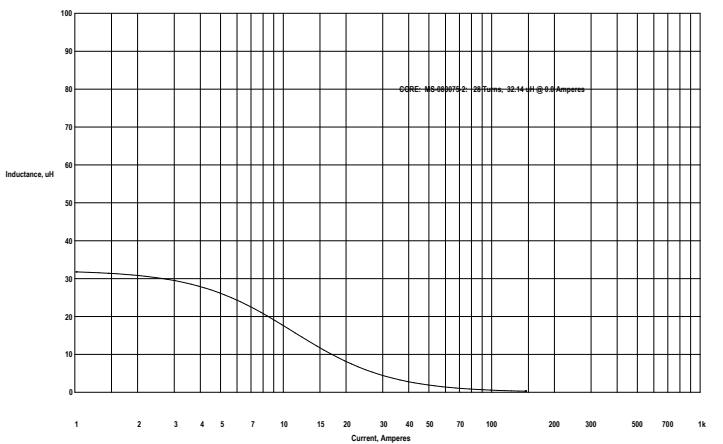
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 09:06:46 2011

DTSS-20/0,068/4,0



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 09:08:35 2011

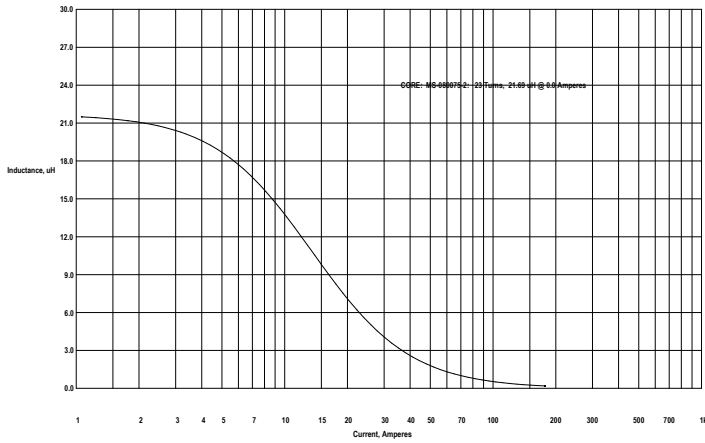
DTSS-20/0,047/6,0



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 09:10:36 2011

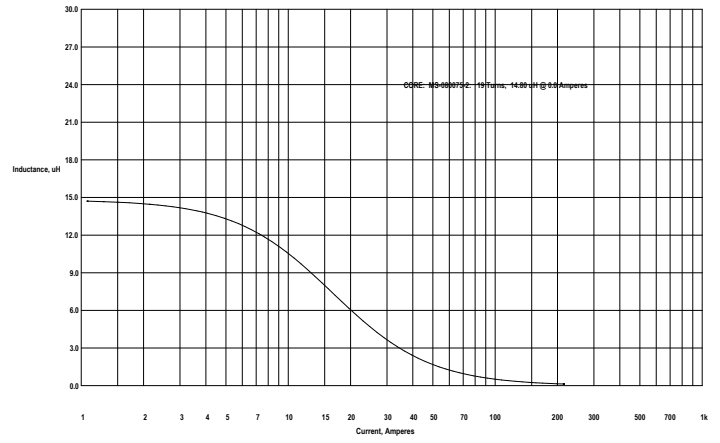
DTSS-20/0,033/8,0

CHARACTERISTICS:



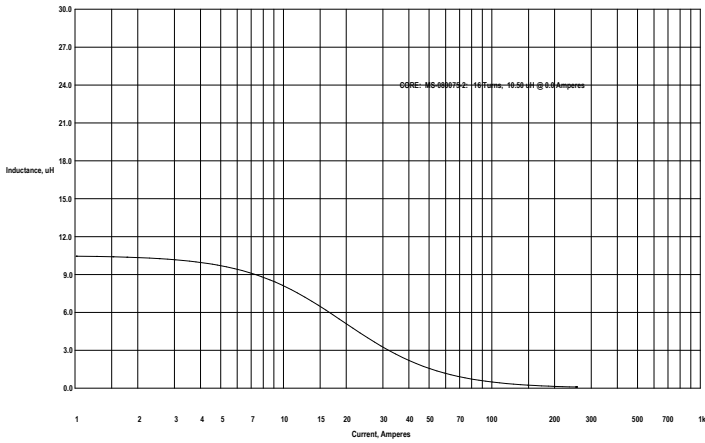
CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 09:33:04 2011

DTMSS-20/0,022/10



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 09:36:54 2011

DTMSS-20/0,015/15



CREATED IN MICROMETALS ARNOLD POWDER CORES - DESIGN OF INDUCTORS FOR POWER FILTER APPLICATIONS Fri Nov 25 09:39:00 2011

DTMSS-20/0,01/20