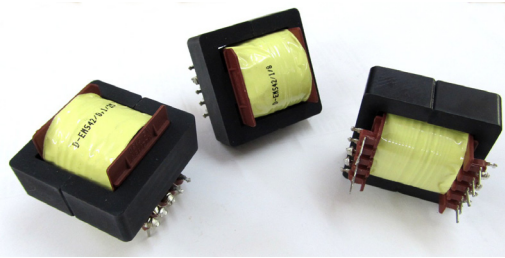


# DEMS - SUPER-MSS INDUCTORS

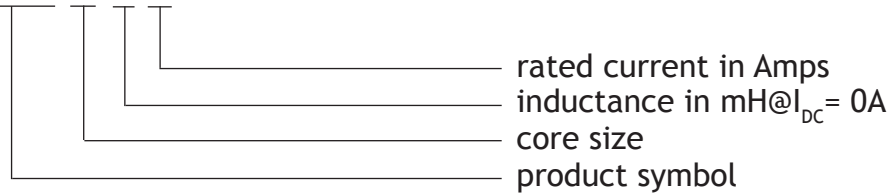


## APPLICATIONS:

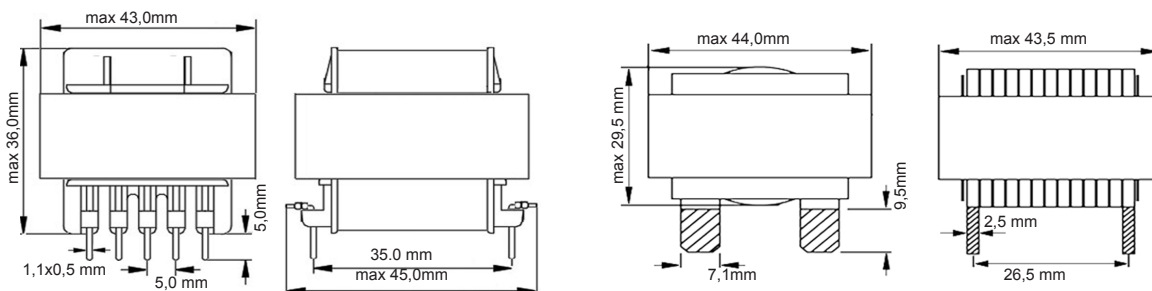
- power transformers (5kHz - 200kHz)
- interference suppression chokes (DC - 300kHz)
- energy storage chokes (DC - 300kHz)
- AC and DC filters
- flyback transformers
- PFC chokes
- EMI filters (DC - 1 MHz)
- soft and slow saturation at high current

## ORDERING CODE:

DEMS-42/1/8



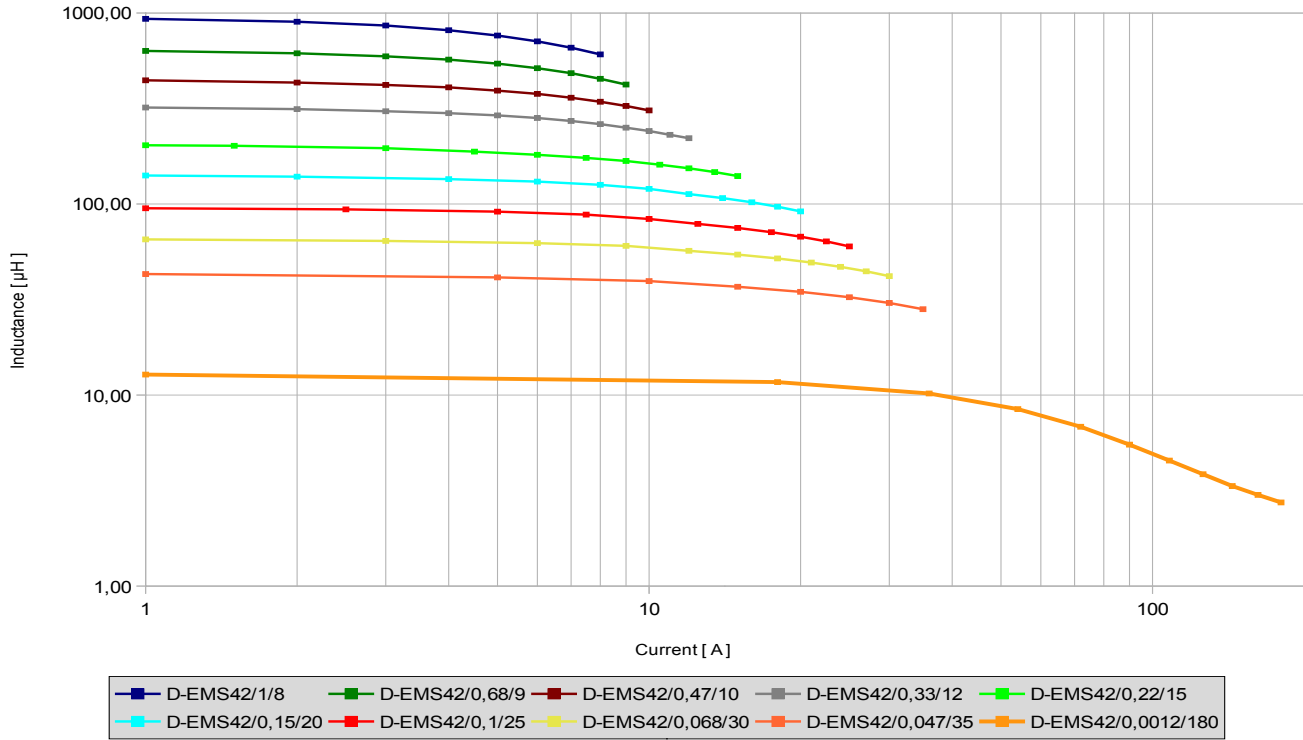
## DIMENSIONS:



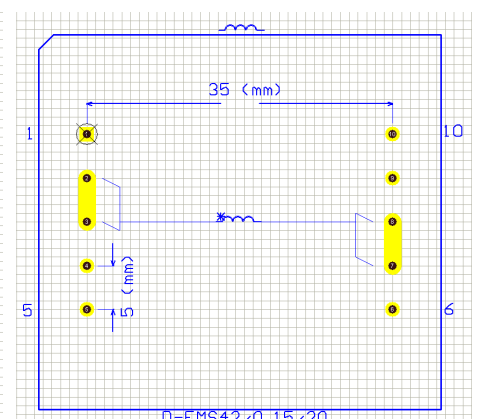
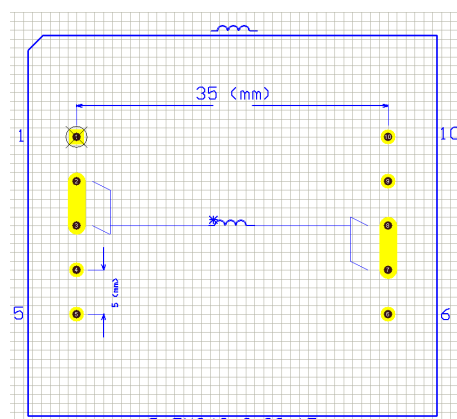
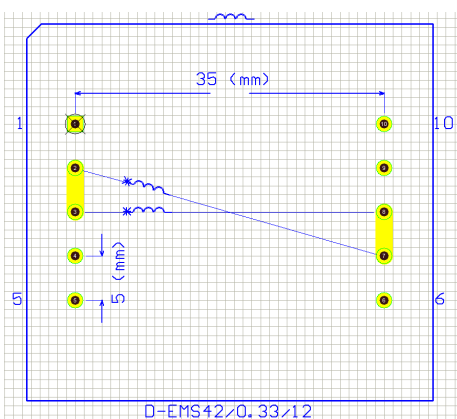
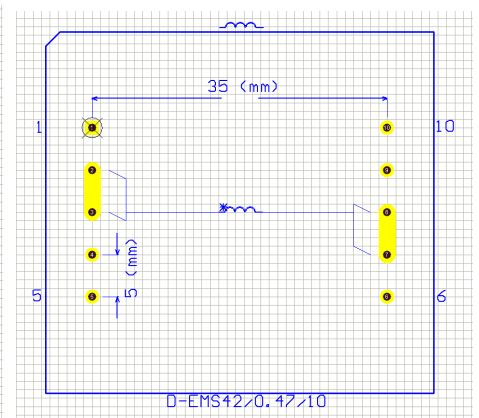
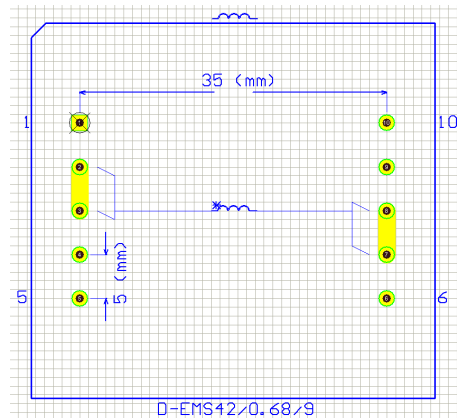
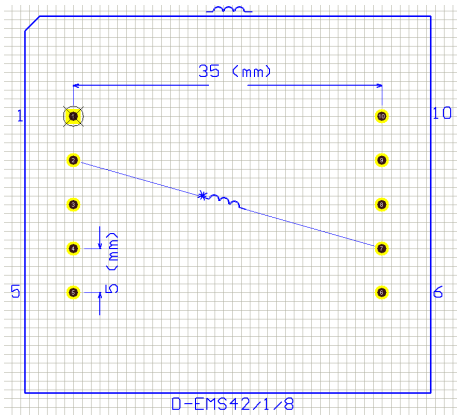
## ELECTRICAL PROPERTIES:

DEMS chokes						
symbol	Lmax [ $\mu H$ ]	Imax [A]	L@Imax [ $\mu H$ ]	RDC [ $\Omega$ ]	litz wires [mm]	cross section [mm <sup>2</sup> ]
DEMS-42/1,00/8	1000	8,0	607	0,155	8x0,355	0,8
DEMS-42/0,68/9	680	9,0	422	0,110	28x0,2	0,85
DEMS-42/0,47/10	470	10,0	309	0,086	10x0,35	1,0
DEMS-42/0,33/12	330	12,0	221	0,063	2x6x0,35	1,2
DEMS-42/0,22/15	220	15,0	140	0,043	15x0,35	1,5
DEMS-42/0,15/20	150	20,0	91	0,033	20x0,35	2,0
DEMS-42/0,10/25	100	25,0	60	0,022	25x0,35	2,5
DEMS-42/0,068/30	68	30,0	42	0,017	30x0,35	3,0
DEMS-42/0,047/35	47	35,0	28	0,012	35x0,35	3,5
DEMS-42/0,012/180	13	180,0	2,74	0,0001	flat 7,1x2,5	17,75

CHARACTERISTICS:



FOOTPRINTS AND WINDINGS CONECTIONS (TOP VIEW):



FOOTPRINTS AND WINDINGS CONNECTIONS:

