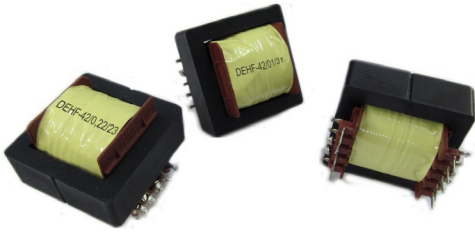


DEHF - HI-FLUX HIGH CURRENT INDUCTORS

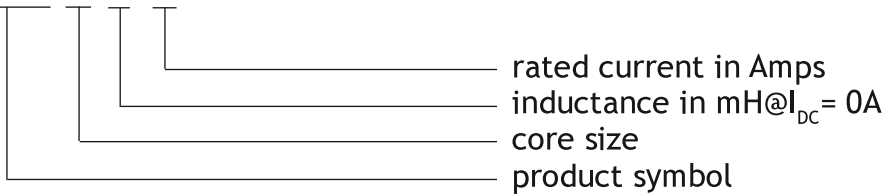


APPLICATIONS:

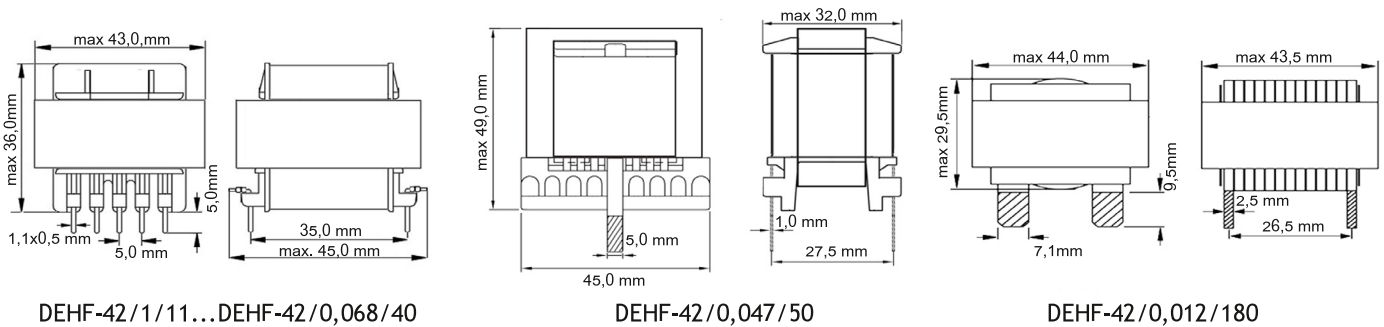
- Noise suppression chokes (DC 100kHz)
- Energy storage chokes (DC 100kHz)
- AC and DC filter
- EMI filter (DC - 1MHz)
- SMPS
- Chokes for high DC bias applications
- Output chokes for welding machines

ORDERING CODE:

DEHF-42/1/11



DIMENSIONS:



ELECTRICAL PROPERTIES:

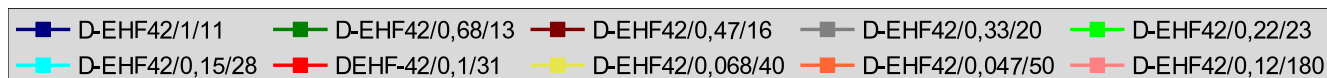
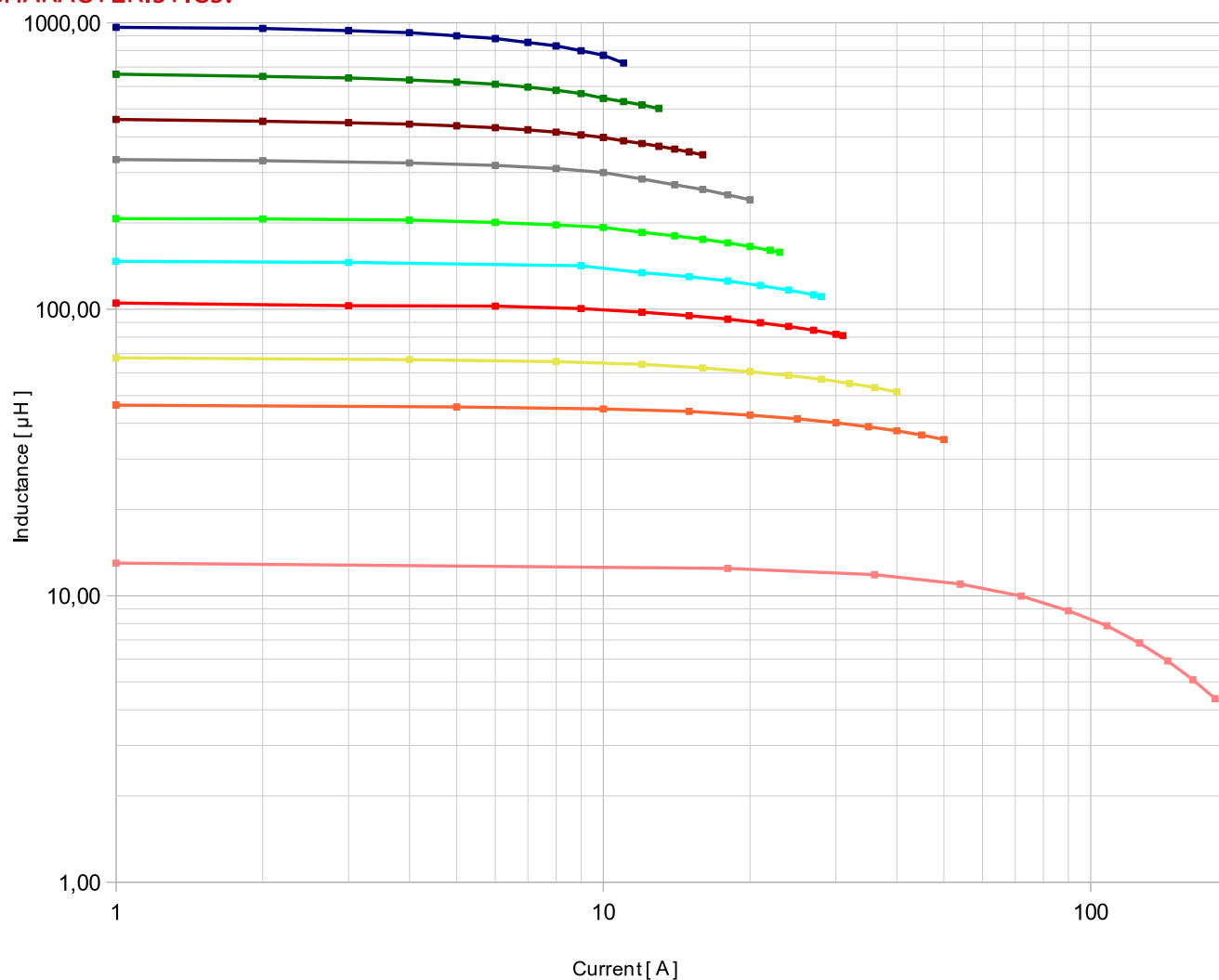
DEHF chokes				
symbol	L_{nom} [μH]	I_{nom} [A]	$L@I_{nom}$ [μH]	RDC [Ω]
DEHF-42/1,00/11	1000	11,0	724	0,105
DEHF-42/0,68/13	680	13,0	502	0,072
DEHF-42/0,47/16	470	16,0	346	0,053
DEHF-42/0,33/20	330	20,0	241	0,039
DEHF-42/0,22/23	220	23,0	158,1	0,030
DEHF-42/0,15/28	150	28,0	110,8	0,021
DEHF-42/0,10/31	100	31,0	81,0	0,016
DEHF-42/0,068/40	68	40,0	51,5	0,012
DEHF-42/0,047/50	47	50,0	35,1	0,010
DEHF-42/0,012/180	13	180,0	4,37	0,001

DEHF chokes - Maximum Current Capability*			
symbol	$I_{max}@\Delta t=40^{\circ}C$ [A]	$I_{max}@\Delta t=60^{\circ}C$ [A]	$I_{max}@\Delta t=75^{\circ}C$ [A]
DEHF-42/1,00/11	5,0	6,5	7,5
DEHF-42/0,68/13	5,0	7,5	8,5
DEHF-42/0,47/16	6,5	8,5	10,5
DEHF-42/0,33/20	9,0	11,0	12,5
DEHF-42/0,22/23	10,0	12,5	14,5
DEHF-42/0,15/28	12,5	16,0	19,5
DEHF-42/0,10/31	14,5	19,0	22,5
DEHF-42/0,068/40	17,5	23,0	25,5
DEHF-42/0,047/50	21,0	26,0	32,0
DEHF-42/0,012/180	75,0	85,0	105,0

* Forced-air cooling at continuous work under I_{max} is required. Winding losses only

Depending on an operating conditions, an airflow rate must be determined under an operating conditions.

CHARACTERISTICS:



FOOTPRINTS AND WINDINGS CONNECTIONS (TOP VIEW):

