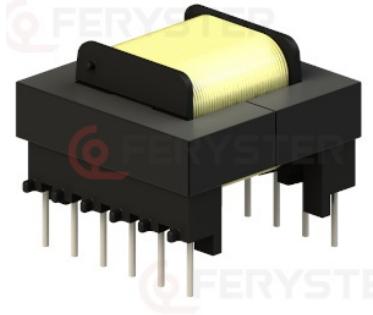


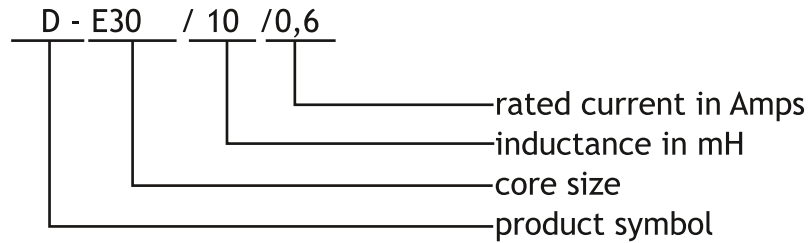
D-E30 POWER INDUCTORS



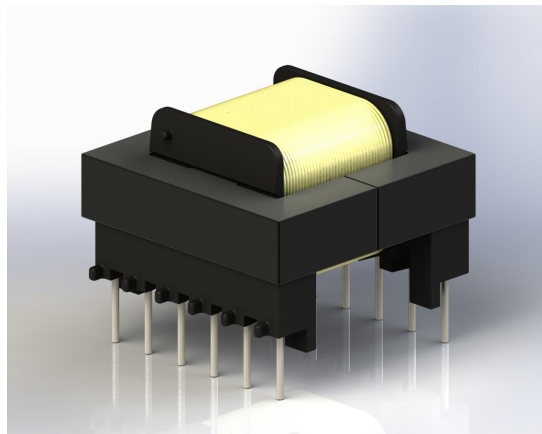
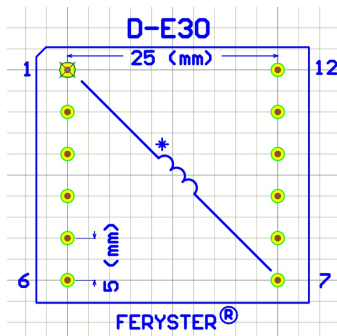
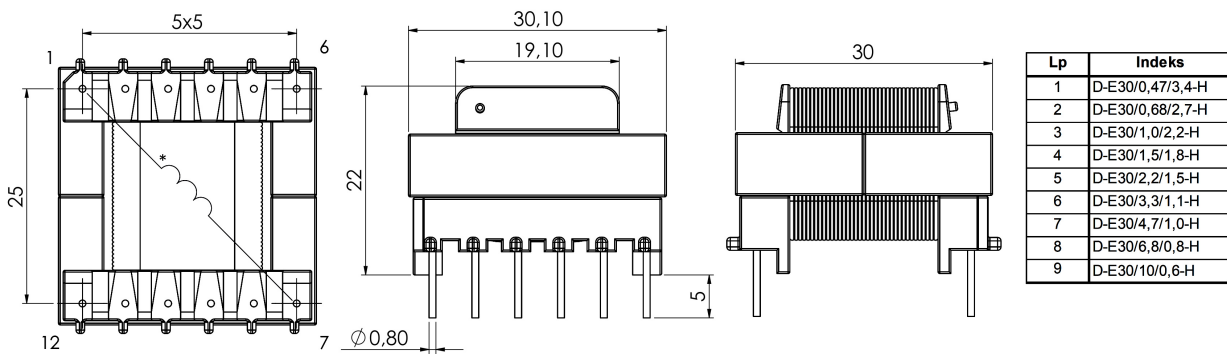
APPLICATIONS:

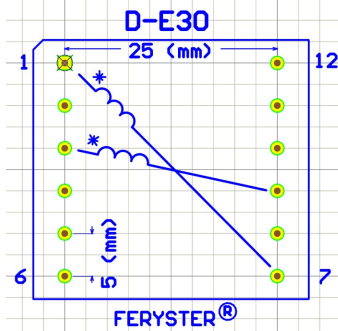
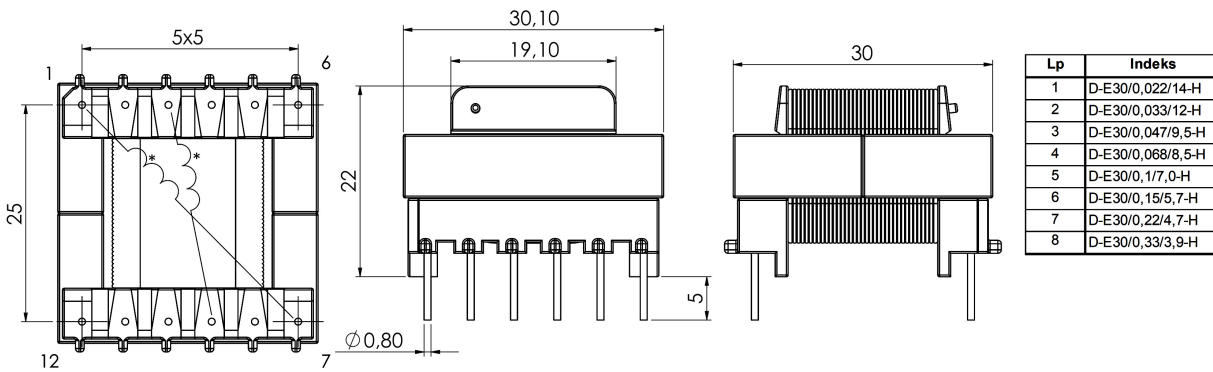
- output filters for class D amplifiers
- energy storage inductors (DC - 100kHz)
- DC/DC converters
- SMPS
- flyback/SEPIC coupled inductors (from 0,022/14 to 0,33/3,9)

ORDERING CODE:

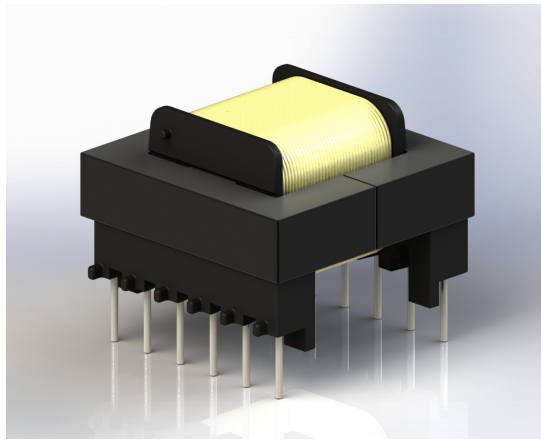


DIMENSIONS:





For proper operation both windings should be connected in parallel.



PROPERTIES:

| Part number | L_{nom} [mH] | I_{nom} [A] | RDC [Ω] | $\Delta T @ I_{nom}$ [$^{\circ}C$]* | I_{max} [A]** |
|-----------------|----------------|---------------|------------------|---------------------------------------|-----------------|
| D-E30/0,022/14 | 0,022 | 14 | 0,016 | 64 | 10,5 |
| D-E30/0,033/12 | 0,033 | 12 | 0,018 | 69 | 7,0 |
| D-E30/0,047/9,5 | 0,047 | 9,5 | 0,031 | 69 | 7,0 |
| D-E30/0,068/8,5 | 0,068 | 8,5 | 0,038 | 64 | 6,0 |
| D-E30/0,010/7,0 | 0,10 | 7,0 | 0,041 | 48 | 6,5 |
| D-E30/0,15/5,7 | 0,15 | 5,7 | 0,058 | 44 | 5,3 |
| D-E30/0,22/4,7 | 0,22 | 4,7 | 0,080 | 40 | 4,7 |
| D-E30/0,33/3,9 | 0,33 | 3,9 | 0,133 | 49 | 3,5 |
| D-E30/0,47/3,4 | 0,47 | 3,4 | 0,171 | 54 | 2,8 |
| D-E30/0,68/2,7 | 0,68 | 2,7 | 0,251 | 54 | 2,3 |
| D-E30/1,0/2,2 | 1,0 | 2,2 | 0,368 | 43 | 2,0 |
| D-E30/1,5/1,8 | 1,5 | 1,8 | 0,546 | 56 | 1,5 |
| D-E30/2,2/1,5 | 2,2 | 1,5 | 0,84 | 52 | 1,3 |
| D-E30/3,3/1,1 | 3,3 | 1,1 | 1,19 | 40 | 1,1 |
| D-E30/4,7/1,0 | 4,7 | 1,0 | 1,71 | 49 | 0,9 |
| D-E30/6,8/0,8 | 6,8 | 0,8 | 2,60 | 52 | 0,7 |
| D-E30/10/0,6 | 10 | 0,6 | 3,53 | 40 | 0,6 |

- Inductance tolerance: $\pm 10\%$
- LCR meter $f=10kHz$
- Wire to core insulation 300V
- RDC Cu wire resistance: $\pm 20\%$

* winding losses only.

** @ $\Delta t=40^{\circ}C$, winding losses only.

CHARACTERISTICS:

