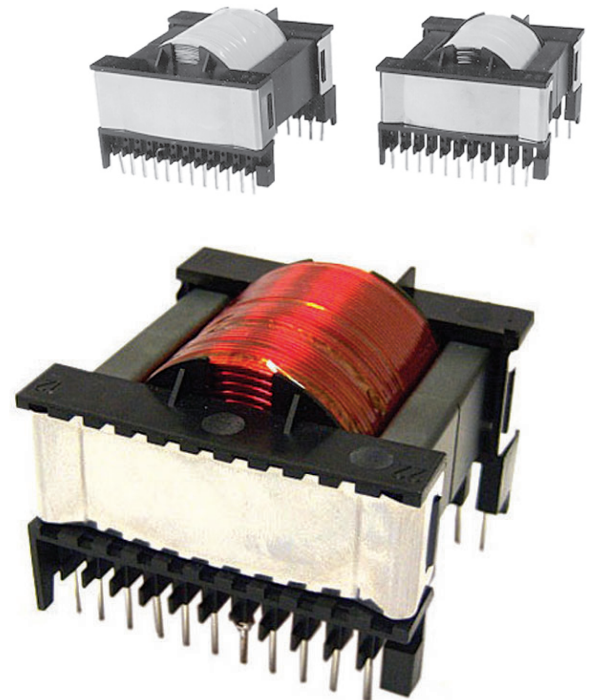


408 series design data

switch mode transformers

DESIGN CONSTANTS

Product Code	A_l ungapped (min)	A_e core area (cm ²)	l_e magnetic path length (cm)	V_e core volume (cm ³)	W_a bobbin winding area (cm ²)	$W_a A_c$ core area x winding area (cm ⁴)	Bobbin window width (cm)	Bobbin window height (cm)	Mean length per turn (cm)
ETD 54	3520	2.80	12.7	35.6	3.16	8.85	3.68	0.86	9.6
ETD 59	4200	3.68	13.9	51.2	3.67	13.51	4.12	0.89	10.6



Notes:

1. Reduce power rating in Table above by 50% for forward and flyback converter topologies.
2. Final sizing of the transformer will depend on a number of interrelated variables. The data in the above table should be considered a starting point only.
3. If safety agency is required, the final size may be significantly larger than the data in the table would indicate.