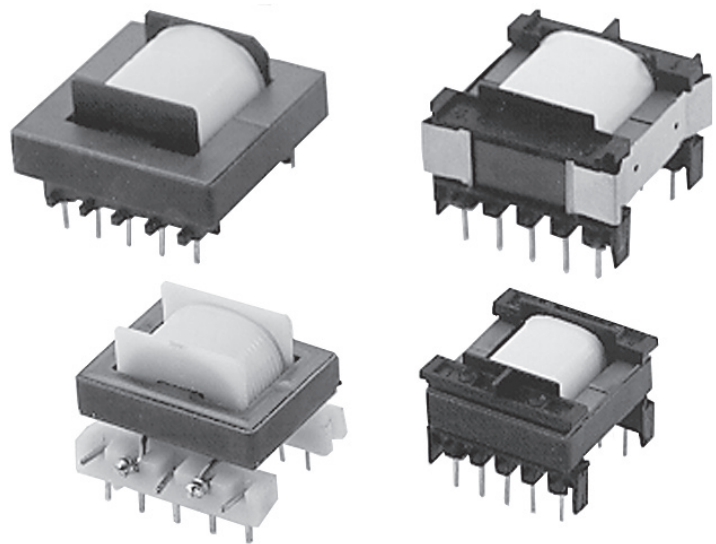


406 series design data

switch mode transformers

DESIGN CONSTANTS

Product Code	A_f ungapped	A_f single gap	A_e core area (mm ²)	l_e magnetic path length (mm)	V_e core volume (mm ³)	W_a bobbin winding area (mm ²)	$W_a A_c$ core area x winding area (mm ⁴)	Bobbin window width (mm)	Bobbin window height (mm)	Mean length per turn (mm)
E 20	1350±25%	Any	32.1	46.3	1490	34	1091	12.5	2.7	41.2
E 25	1440 min	Any	38.5	48.5	1870	41	1579	10.3	4.0	54.0
E 28	1800±25%	Any	52.5	57.5	3020	61	3203	15.6	3.9	50.0
E 30	1680 min	Any	60.1	65.6	3940	83	4988	17.3	4.8	55.0



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.