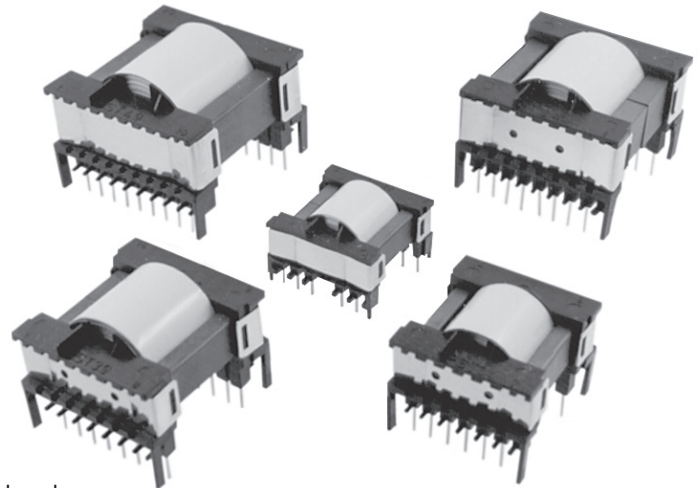


# 404 series design data

## switch mode transformers

### DESIGN CONSTANTS

Product Code	$A_l$ ungapped (min)	$A_l$ single gap	$A_e$ core area (mm <sup>2</sup> )	$l_e$ magnetic path length (mm)	$V_e$ core volume (mm <sup>3</sup> )	$W_a$ bobbin winding area (mm <sup>2</sup> )	$W_a A_c$ core area x winding area (mm <sup>4</sup> )	Bobbin window width (mm)	Bobbin window height (mm)	Mean length per turn (mm)
ETD 29	1600	160	76	72	5500	95	7220	19.4	4.9	53
ETD 34	1900	160	97	79	7600	123	11930	21.0	5.9	60
ETD 39	2100	250	125	92	11500	177	22125	25.9	6.8	69
ETD 44	2600	250	173	104	17800	214	37022	29.7	7.2	77
ETD 49	3000	400	211	114	24000	273	57603	32.7	8.3	85



#### 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.