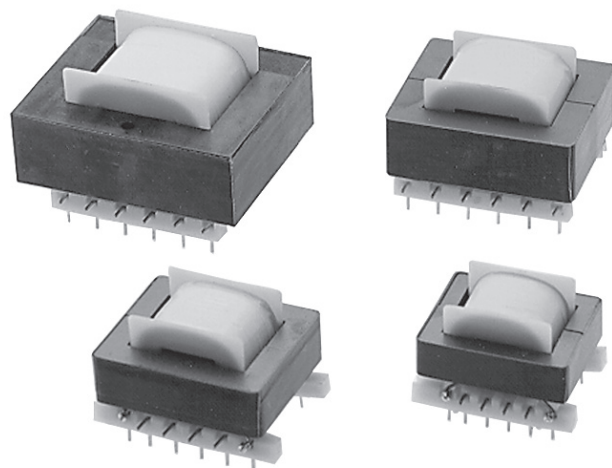


# 407 series design data

## switch mode transformers

### DESIGN CONSTANTS

Product Code	$A_f$ ungapped	$A_f$ 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> )	$W_a C$ core area x winding area (mm <sup>4</sup> )	Bobbin window width (mm)	Bobbin window height (mm)	Mean length per turn (mm)
E 34	2950±25%	Any	84.9	69.6	5907	94.8	8,048	16.5	5.7	73.5
E 41	5060±25%	Any	156.7	77.6	12,165	101.0	15,826	18.1	5.7	85.6
E 47	5100±25%	Any	233.0	89.0	20,700	119.3	27,796	21.1	5.7	99.1
E 56	6700±25%	Any	340.0	107.0	36,400	189.0	64,260	26.2	7.2	117.6



#### 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.