

403 series design data

switch mode transformers

DESIGN CONSTANTS

Product Code	SMD	A_l ungapped	A_l 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)	$W_a C$ core area x winding area (mm ⁴)	Bobbin window width (mm)	Bobbin window height (mm)	Mean length per turn (mm)
EP 7	Yes	750 min	63	10.7	15.7	132	3.8	39	3.2	1.3	18.0
EP 10	Yes	750 min	63	11.3	19.2	217	11.4	129	5.4	2.1	21.3
EP 13	Yes	1600±25%	100	19.5	24.2	472	13.8	269	7.4	1.9	23.8
EP 17	NA	2500±25%	100	33.7	28.5	966	18.8	637	9.3	2.0	28.7
EP 20	NA	4000±25%	100	78.7	39.8	3100	33.2	2590	11.9	2.8	40.8

