

804 series design data

isolation transformers

DESIGN CONSTANTS

Product Code	Ae core area (cm ²)	le magnetic path length (cm)	Ve core volume (cm ³)	Wa bobbin winding area (cm ²)	WaAc core area x winding area (cm ⁴)	Bobbin winding width (mm)	Bobbin winding height (mm)	Mean length per turn (cm)	Surface area (cm ²)	VA Rating*	Weight (kg)
804-1	1.21	08.26	9.83	0.731	00.885	6.60	05.54	07.6	57	02.8	0.12
804-2	1.61	08.26	13.10	0.731	01.177	6.60	05.54	08.2	62	03.8	0.15
804-3	2.52	09.53	23.64	0.886	02.230	7.92	05.59	09.5	83	07.7	0.25
804-4	3.63	11.43	41.01	1.510	05.490	10.41	07.26	11.2	120	17.5	0.43
804-5	3.52	13.34	46.26	2.270	08.00	12.83	08.86	11.7	147	24.0	0.53
804-6	4.84	15.24	71.89	2.680	12.960	12.83	10.44	13.5	195	36.0	0.75

*NOTE: VA rating based on 60 Hz operation

