

EE Cores



Application of EE Cores

Small E Core

Impedance matching transformer

For Miniature Transformers

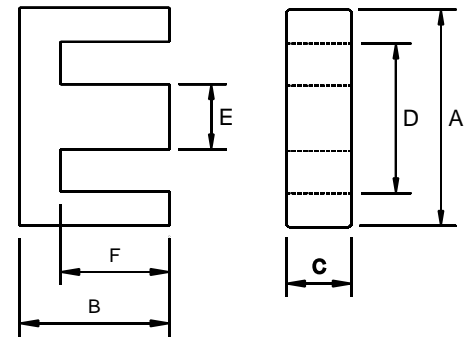
SMD Transformers

Large E Core

Common mode choke and broadband transformers

For SMPS

Energy storage chokes



DIMENSIONS

Type	A(mm)	B(mm)	C(mm)	D(mm)	E (mm)	F (mm)	Le mm	Ae mm ²	Ve mm ³	AL VALUE (±25%)		Almin MGQ5C	HP 400	Approx wt gms/pair
										MSB-5S	MSB-7C			
E100/60/28	100 ^{+2.3} _{-1.7}	60.00 ^{+0.0} _{-1.1}	28.00 ^{+0.0} _{-0.8}	72.00 ^{+2.4} _{-0.0}	28.00 ^{+0.0} _{-1.0}	46.00 ^{+1.7} _{-0.0}	270	785	212000	---	5900	---	5900	2040
EE80/38/20	80.00 ± 1.6	38.1 ± 0.5	19.8 ± 0.4	59.1 Min	19.8 ± 0.4	28.2 ± 0.5	184	395	72300	---	6700	---	5000	360
EE70/33/32	70.5 ± 1	33.2 ^{+0.0} _{-0.5}	32.00 ^{+0.0} _{-0.8}	48.00 ^{+1.5} _{-0.0}	22.00 ^{+0.0} _{-0.7}	21.9 ^{+0.7} _{-0.0}	149	683	102000	---	10800	---	8000	550
EE 65X33X28	65.00 ^{+1.5} _{-1.2}	32.80 ^{+0.0} _{-0.6}	27.40 ^{+0.0} _{-0.8}	44.20 ^{+1.5} _{-0.0}	20.00 ^{+0.0} _{-0.7}	22.20 ^{+0.8} _{-0.0}	147	532	78200	---	5550	---	---	400
EE 65X33X13	65.00 ^{+1.5} _{-1.2}	32.80 ^{+0.0} _{-0.6}	13.70 ^{+0.0} _{-0.6}	44.20 ^{+1.5} _{-0.0}	20.00 ^{+0.0} _{-0.7}	22.20 ^{+0.8} _{-0.0}	147	267	39350	6300	4500	---	---	191
EE 55X27X21	55.00 ^{+1.2} _{-0.9}	27.80 ^{+0.0} _{-0.6}	21.00 ^{+0.0} _{-0.6}	37.50 ^{+1.2} _{-0.0}	17.20 ^{+0.0} _{-0.5}	18.50 ^{+0.8} _{-0.0}	120	354	42500	7900	6000	---	---	214
EE 42X21X20	42.00 ^{+1.0} _{-0.7}	21.20 ^{+0.0} _{-0.4}	20.00 ^{+0.0} _{-0.8}	29.50 ^{+1.2} _{-0.0}	12.20 ^{+0.0} _{-0.5}	14.80 ^{+0.7} _{-0.0}	98	236	23100	6400	5200	---	---	113
EE 42X21X15	42.00 ^{+1.0} _{-0.7}	21.20 ^{+0.0} _{-0.4}	15.20 ^{+0.0} _{-0.5}	29.50 ^{+1.2} _{-0.0}	12.20 ^{+0.0} _{-0.5}	14.80 ^{+0.7} _{-0.0}	97	182	17650	5250	4000	---	---	86
EE 42X21X9	42.00 ^{+1.0} _{-0.7}	21.20 ^{+0.0} _{-0.4}	9.00 ^{+0.0} _{-0.5}	29.50 ^{+1.2} _{-0.0}	12.20 ^{+0.0} _{-0.5}	14.80 ^{+0.7} _{-0.0}	97	107	10400	2900	2300	---	---	51
EE 41X17X12	41.00 ^{+0.7} _{-0.5}	17.50 ^{+0.6} _{-0.0}	12.00 ^{+0.0} _{-0.7}	28.50 ^{+0.7} _{-0.0}	12.00 ^{+0.0} _{-0.7}	10.25 ^{+0.6} _{-0.0}	78.45	147	11563	5100	4100	---	---	56
EE 36X11X18	36.20 ± 0.5	18.00 ^{+0.5} _{-0.0}	11.50 ^{+0.0} _{-0.5}	24.50 ^{+1.2} _{-0.0}	10.20 ^{+0.0} _{-0.5}	12.00 ^{+0.5} _{-0.0}	81	120	9670	4000	3100	---	---	50
EE 35X14X9	34.90 ± 0.7	14.50 ± 0.25	9.15 ± 0.25	25.75 ± 0.5	9.20 ± 0.25	10.00 ± 0.25	70	83	5870	3300	2650	---	---	30
EE 33X16X13	33.00 ± 0.5	16.50 ^{+0.5} _{-0.0}	13.00 ^{+0.0} _{-0.6}	23.40 min	10.00 ^{+0.0} _{-0.6}	12.00 ^{+0.50} _{-0.0}	76.6	118	8970	---	---	---	---	45
EE33X14X13	33.00 ± 0.5	14.00 ^{+0.5} _{+0.0}	13.00 ^{+0.0} _{-0.6}	23.40 min	10.00 ^{+0.0} _{-0.6}	9.50 ^{+0.50} _{-0.0}	67	118	7960	4700	3900	---	---	43
EE33X15X7	30.15 ± 0.35	15.20 ^{+0.5} _{-0.35}	7.10 ^{+0.0} _{-0.4}	20.00 min	7.05 ^{+0.0} _{-0.4}	10.05 ^{+0.35} _{-0.0}	66	57	3810	2730	2100	3300	---	21.6
EE 25X13X11	25.00 ^{+0.8} _{-0.7}	12.5 ^{+0.5} _{-0.0}	10.50 ± 0.25	17.50 ^{+0.8} _{-0.0}	7.50 ^{+0.0} _{-0.5}	8.95 ^{+0.5} _{-0.0}	57	76	4400	3800	3050	---	---	23.1
EE 25X16X7	25.30 ^{+0.5} _{-0.3}	15.70 ^{+0.6} _{-0.0}	6.80 ^{+0.0} _{-0.4}	19.20 min	6.50 ^{+0.3} _{-0.25}	12.55 ^{+0.6} _{-0.0}	73.5	42.0	3120	1685	---	---	---	15.4
EE 25X13X7	25.00 ^{+0.8} _{-0.7}	12.80 ^{+0.0} _{-0.5}	7.50 ^{+0.0} _{-0.6}	17.50 ^{+0.8} _{-0.0}	7.50 ^{+0.0} _{-0.5}	8.70 ^{+0.5} _{-0.0}	57.5	52.5	3020	2625	2100	2600	8000	16.5
EE 25X9X6	25.40 ± 0.7	9.70 ^{+0.0} _{-0.4}	6.55 ^{+0.0} _{-0.5}	19.00 ^{+1.2} _{-0.0}	6.55 ^{+0.0} _{-0.5}	6.30 ^{+0.4} _{-0.0}	48	40	1950	2248	2000	2400	---	10
EE20X10X5	20.15 ± 0.55	10.20 ^{+0.0} _{-0.4}	5.30 ^{+0.0} _{-0.4}	12.80 ^{+0.6} _{-0.0}	5.20 ^{+0.0} _{-0.4}	6.30 ^{+0.4} _{-0.0}	42.8	31.2	1340	1900	1560	2745	---	8
EE20X10X5-M	20.40 ^{+0.0} _{-0.8}	10.10 ^{+0.0} _{-0.4}	5.90 ^{+0.0} _{-0.5}	14.10 ^{+0.8} _{-0.0}	5.90 ^{+0.0} _{-0.4}	7.00 ^{+0.4} _{-0.0}	44.90	33.50	1500	---	---	---	1450	7.4
EE 19X8X5	19.30 ± 0.3	7.90 ± 0.2	5.20 ^{+0.0} _{-0.5}	14.00 ± 0.3	5.20 ^{+0.0} _{-0.5}	5.50 ± 0.2	37	22.20	822	---	---	1500	---	4.7
EE16X12X5	16.00 ± 0.4	12.40 ± 0.3	5.10 ^{+0.0} _{-0.5}	12.0 ± 0.3	3.90 ± 0.3	10.40 ± 0.3	56.40	19.0	1060	---	---	---	---	5
EE16X8X5	16.00 ^{+0.7} _{-0.5}	8.20 ^{+0.0} _{-0.3}	4.70 ^{+0.0} _{-0.4}	11.30 ^{+0.6} _{-0.0}	4.70 ^{+0.0} _{-0.3}	5.70 ^{+0.4} _{-0.0}	37	20.10	750	1500	1100	1470	---	4
EE 12.65	12.65 ± 0.45	6.50 ^{+0.0} _{-0.2}	3.70 ^{+0.0} _{-0.3}	9.20 ± 0.3	3.70 ± 0.0	4.60 ^{+0.0} _{-0.3}	29.7	29.6	367	---	---	800	1100	2