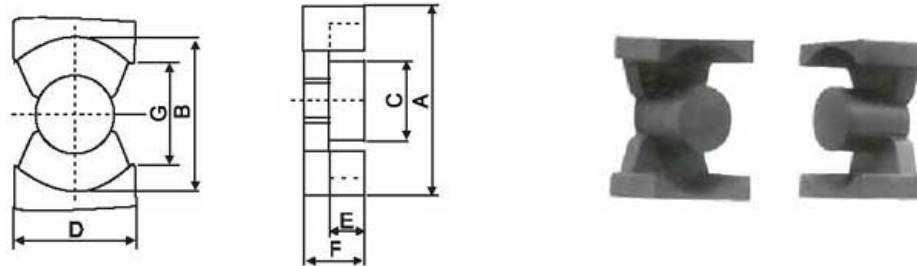


PQ CORES



Introduce of PQ cores

PQ Ferrite Core, one kind of Mn-Zn Ferrite Cores, are designed especially for switched mode power supplies. The design provides an optimized ratio of volume to winding area and surface area. As a result, both maximum inductance and winding area are possible with a minimum core size. The PQ cores thus provide maximum power output with a minimum assembled transformer weight and volume, in addition to taking up a minimum amount of area on the printed circuit board. Assembly with printed circuit bobbins and one piece clamps is simplified. This efficient design provides a more uniform cross-sectional area; thus Power MnZn ferrite core tends to operate with fewer hot spots than with other designs.

Advantages of PQ Cores Assemblies

As one of specialty Core Ferrite Manufacturers, our PQ Cores posses special advantages as follows, wide core selection; unique one-piece clamp; minimal wire losses; heavy wire capability; multiple tap capability; consistency and uniformity; compact packaging on PCB easy; low-cost assembly; 12, 14 pin bobbins; easy mounting, etc. Also we have high-tech manufacture than other Core Ferrite Manufacturers.

Application of PQ Cores

Type	Dimensions(mm)						Gmin
	A	B	C	D	E	F	
PQ20/16	20.5±0.4	18.0±0.4	8.8±0.2	14.0±0.4	5.0 +0.3 -0	8.0 ^{+0.2} ₋₀	12.0
PQ20/16A	20.5±0.4	18.0±0.4	8.8±0.2	14.0±0.4	5.15±0.15	8.1±0.1	12.0
PQ20/20	20.5±0.4	18.0±0.4	8.8±0.2	14.0±0.4	7.0 ^{+0.3} ₋₀	10.2 ^{+0.2} ₋₀	12.0
PQ20/20A	20.5±0.4	18.0±0.4	8.8±0.2	14.0±0.4	7.15±0.15	10.1±0.1	12.0
PQ26/20A	26.5±0.45	22.5±0.45	12.0±0.2	19.0±0.45	5.75±0.15	9.95 ^{+0.25} ₋₀	15.5
PQ26/20	26.5±0.45	22.5±0.45	12.0±0.2	19.0±0.45	5.75±0.15	10.0 ^{+0.1} _{-0.15}	15.5
PQ26/25	26.5±0.45	22.5±0.45	12.0±0.2	19.0±0.45	8.05±0.15	12.5 ⁺⁰ _{-0.25}	15.5
PQ26/25A	26.5±0.45	22.5±0.45	12.0±0.2	19.0±0.45	8.05±0.15	12.4 ^{+0.1} _{-0.15}	15.5
PQ32/20	32.0±0.5	27.5±0.5	13.45±0.25	22.0±0.5	5.75±0.15	10.3 ^{+0.1} _{-0.15}	19.0
PQ32/20A	32.0±0.5	27.5±0.5	13.45±0.25	22.0±0.5	5.75±0.15	10.4 ⁺⁰ _{-0.25}	19.0
PQ32/30A	32.0±0.5	27.5±0.5	13.7+0 -0.5	20.0±0.5	10.5 ^{+0.3} ₋₀	15.3 ⁺⁰ _{-0.3}	19.0
PQ32/30B	35.1±0.6	17.4 ^{+0.1} _{-0.15}	13.45±0.25	22.0±0.5	10.65±0.15	15.2 ^{+0.1} _{-0.15}	19.0
PQ35/35	35.1±0.6	32.0±0.5	22.0±0.5	26.0±0.5	12.5±0.15	17.5 ⁺⁰ _{-0.25}	23.5
PQ35/35A	40.5±0.9	32.0±0.5	14.35±0.25	13.45±0.25	27.5±0.5	10.65±0.15	19.0
PQ40/40	40.5±0.9	37.0±0.6	14.9±0.3	28.0±0.6	14.75±0.15	20.0 ⁺⁰ _{-0.25}	28.0
PQ40/40A	40.5±0.9	37.0±0.6	14.9±0.3	28.0±0.6	14.75±0.15	19.9 ^{+0.1} _{-0.15}	28.0
PQ50/50	50.0±0.9	20.0±0.35	20.0±0.35	32.0±0.6	18.05±0.15	25.0 ^{+0.1} _{-0.15}	31.5

Type	Core parameter				weight (g/pr.)	AL(nH/N ²)		Pc(W)	
	C1 (mm ⁻¹)	Ae (mm ²)	le (mm)	Ve (mm ³)		F2BD (±25%)	F2B1 (±25%)	F2BD (max.)	F2B1 (max.)
PQ20/16	0.605	62.0	37.4	2310	13	3880	3430		
PQ20/16A	0.605	37.4	62.0	2310	13	3380	3380	0.35	1.16
PQ20/20	0.738	62.0	45.4	2790	15	3310	2920		
PQ20/20A	0.738	45.4	62.0	2790	15	3150	3150	0.42	1.40
PQ26/20	0.391	119	46.3	5490	31	6170	5510		
PQ26/20A	0.391	46.3	119	5490	31	6170	6170	0.81	2.75
PQ26/25	0.472	118	55.5	6530	36	5250	4670		
PQ26/25A	0.472	55.5	118	6530	36	5250	5250	0.99	3.27
PQ32/20	0.326	170	55.5	9420	42	7310	7310		
PQ32/20A	0.326	170	55.5	9420	42	7310	7310	1.22	4.72
PQ32/30A	0.464	161	74.6	12000	55	5140	4900		
PQ32/30B	0.464	74.6	161	12000	55	5140	5140	1.64	6.0
PQ35/35	0.448	196	87.9	17300	73	4860	4860		
PQ35/35A	0.448	87.9	196	17300	73	4860	4860	2.20	8.7
PQ40/40	0.508	201	102	20500	95	4300	4300		
PQ40/40A	0.508	102	201	20500	95	4300	4300	2.74	10.3
PQ50/50	0.346	113	328	37200	195	6720	6720	5.50	11.15*

Al: 1kHz, 0.5mA, 100Ts

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