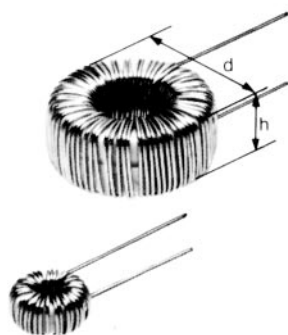


HP Coils



HP Coils are toroidal coils for smoothing chokes. They feature a new magnetic material developed by Tokin to give better performance in this type of application. HP Coils are especially suited to use in switching power supplies, even at frequencies as high as 100kHz. They are compact, and offer a minimum of power loss and radiation noise.

Specifications

Model	Rated current Idc(A)	Inductance (μH) (20kHz, 5V)		External dimensions d × h (mm) max.	Dia. of lead wire (mmø)
		Idc: 0	Idc: Rated		
HP-011Z	1	200	160	ø20 × 12	0.5
HP-021Z	2	65	50	ø20 × 12	0.7
HP-031Z	3	30	23	ø20 × 12	0.8
HP-012Z	1	600	450	ø20 × 13	0.5
HP-022Z	2	180	135	ø20 × 13	0.7
HP-032Z	3	120	80	ø20 × 13	0.8
HP-052Z	5	45	30	ø20 × 13	1.0
HP-013Z	1	1000	800	ø20 × 14	0.5
HP-023Z	2	500	330	ø20 × 14	0.7
HP-033Z	3	130	100	ø20 × 14	0.8
HP-053Z	5	90	55	ø20 × 14	1.0
HP-034SZ	3	400	250	ø31 × 12	0.8
HP-054SZ	5	350	160	ø32 × 14	1.0
HP-104SZ	10	50	30	ø33 × 15	1.1 × 2P
HP-024Z	2	1500	950	ø32 × 19	0.7
HP-034Z	3	300	230	ø32 × 18	0.8
HP-054Z	5	210	140	ø33 × 19	1.0
HP-104Z	10	45	30	ø34 × 20	1.6
HP-035Z	3	700	500	ø38 × 18	0.8
HP-055Z	5	600	330	ø39 × 19	1.0
HP-105Z	10	180	95	ø41 × 21	1.6
HP-205Z	20	20	14	ø41 × 20	1.8 × 2P

Notes: ● Core cap insulation material is polypropylene 94 V-O, UL-recognized A-type insulation.
● Special-order coils for specific applications are also available on short notice.

SHP Coil

Tokin also offers SHP Coils—nonlinear choke coils with remarkably high inductance for low DC current.

Specifications

Model	Rated current Idc (A)	Inductance (μH) L		External dimensions d × h (mm) max.	Dia. of lead wire (mmø)
		Idc: 0	Idc: Rated*		
SHP-012	1	6000	490	ø32 × 14	0.5
SHP-022	2	2000	155	ø21 × 15	0.7
SHP-032	3	1500	85	ø21 × 15	0.8
SHP-052	5	500	35	ø22 × 15	1.0
SHP-013	1	12000	900	ø24 × 15	0.5
SHP-023	2	6000	350	ø25 × 15	0.7
SHP-033	3	1500	130	ø25 × 15	0.8
SHP-053	5	1000	65	ø25 × 15	1.0
SHP-034S	3	5000	290	ø31 × 17	0.8
SHP-054S	5	5000	180	ø32 × 17	1.0
SHP-104S	10	700	35	ø33 × 20	1.6

Notes: ● Core cap insulation material is polypropylene 94 V-O, UL-recognized A-type insulation.
● Special-order coils for specific applications are also available on short notice.
* f: 50kHz, 5 V
** Rated Idc, V = 5rms, temperature rise at 50 kHz, sine waveform.