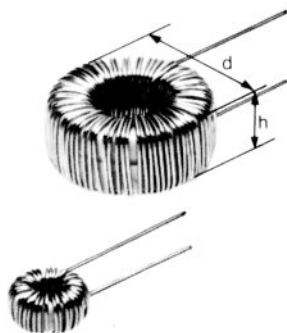


HP Coils



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 I _{dc} (A)	Inductance (μH) (20kHz, 5V)		External dimensions d × h (mm) max.	Dia. of lead wire (mmφ)
		I _{dc} : 0	I _{dc} : Rated		
HP-011Z	1	200	160	φ20 × 12	0.5
HP-021Z	2	65	50	φ20 × 12	0.7
HP-031Z	3	30	23	φ20 × 12	0.8
HP-012Z	1	600	450	φ20 × 13	0.5
HP-022Z	2	180	135	φ20 × 13	0.7
HP-032Z	3	120	80	φ20 × 13	0.8
HP-052Z	5	45	30	φ20 × 13	1.0
HP-013Z	1	1000	800	φ20 × 14	0.5
HP-023Z	2	500	330	φ20 × 14	0.7
HP-033Z	3	130	100	φ20 × 14	0.8
HP-053Z	5	90	55	φ20 × 14	1.0
HP-034SZ	3	400	250	φ31 × 12	0.8
HP-054SZ	5	350	160	φ32 × 14	1.0
HP-104SZ	10	50	30	φ33 × 15	1.1 × 2P
HP-024Z	2	1500	950	φ32 × 19	0.7
HP-034Z	3	300	230	φ32 × 18	0.8
HP-054Z	5	210	140	φ33 × 19	1.0
HP-104Z	10	45	30	φ34 × 20	1.6
HP-035Z	3	700	500	φ38 × 18	0.8
HP-055Z	5	600	330	φ39 × 19	1.0
HP-105Z	10	180	95	φ41 × 21	1.6
HP-205Z	20	20	14	φ41 × 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 I _{dc} (A)	Inductance (μH) L		External dimensions d × h (mm) max.	Dia. of lead wire (mmφ)
		I _{dc} : 0	I _{dc} : Rated*		
SHP-012	1	6000	490	φ32 × 14	0.5
SHP-022	2	2000	155	φ21 × 15	0.7
SHP-032	3	1500	85	φ21 × 15	0.8
SHP-052	5	500	35	φ22 × 15	1.0
SHP-013	1	12000	900	φ24 × 15	0.5
SHP-023	2	6000	350	φ25 × 15	0.7
SHP-033	3	1500	130	φ25 × 15	0.8
SHP-053	5	1000	65	φ25 × 15	1.0
SHP-034S	3	5000	290	φ31 × 17	0.8
SHP-054S	5	5000	180	φ32 × 17	1.0
SHP-104S	10	700	35	φ33 × 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 I_{dc}, V = 5rms, temperature rise at 50 kHz, sine waveform.