

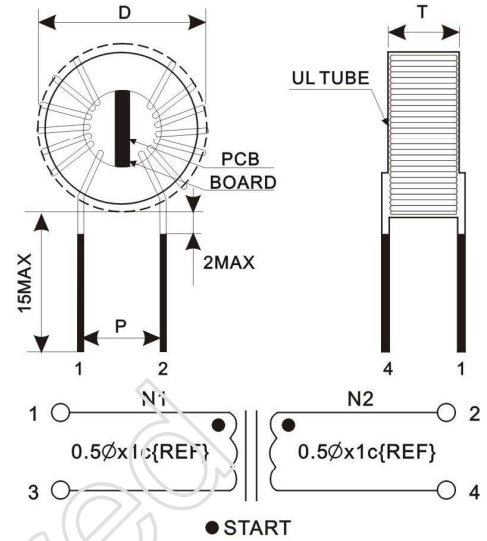
## P Series: Toroid Type (共模型高導磁率環型電感器)

### Features

- Excellent DC-Bias Characteristics,
- High Bmax of 15000Gauss Compared to MPP or Ferrites
- Core Losses Significantly Lower than Iron Cores
- Large Energy Storage Capacity.

### Applications

- In-line Noise Filters
- Switching Regulator Inductors
- Pulse transformers
- Fly-back transformers
- PFC Chokes.



- Common Mode Inductor  
Inductance: 50 μH~50mH  
Current: 0.1A~30A

### Electrical Characteristics :

Cores code	Dimensions(mm)			Effective parameters				AL(nH/N <sup>2</sup> )±25%					
	OD	ID	T	C1 (mm <sup>-1</sup> )	Ae (mm <sup>2</sup> )	Le (mm)	Ve (mm <sup>3</sup> )	HG302	HG502 HS502	HG702 HS702	HG103 HS103	HG123	HG153
3.5x1.6x1.3(0321)	3.45	1.75	1.30	7.54	1.10	8.16	9.02	580	830	1160	1660	2070	2580
4x2x1(0421)	4.00	2.00	1.10	8.71	1.00	9.42	9.42	480	720	920	1300	1660	2080
4x2x2(0422)	4.00	2.00	2.00	4.71	2.00	9.42	18.84	930	1400	2000	2500	3100	3900
6x3x2(0632)	6.00	3.00	2.00	4.65	3.00	14.13	42.41	980	1450	2200	2600	3200	4000
8x4x4(0844)	8.00	4.00	4.00	8.28	1.23	10.20	12.56	1680	2900	3900	5350	6420	8000
9x5x3(0953)	9.10	5.10	3.00	6.67	6.00	22.30	133	1230	1760	2470	3520	4240	5300
9x5x5(0955)	9.10	5.10	5.00	2.20	10.00	22.30	223	2060	2938	4114	5877	7060	8840
9x5x7(0957)	9.10	5.10	7.00	1.57	14.00	22.30	312	2880	4114	5760	8229	9870	12300
10x6x4(1064)	10.10	6.10	4.00	3.08	8.00	25.44	203	1430	2040	2850	4080	4920	6140
10x6x5(1065)	10.10	6.10	5.00	2.46	10.00	25.44	254	1780	2550	3570	5100	6150	7670
10x6x6(1066)	10.10	6.10	6.00	2.05	12.00	25.44	305	2140	3060	4290	6130	7380	9200
12x6x4(1264)	12.00	6.00	4.00	2.31	12.00	28.27	339	1940	2700	3800	5400	6600	8300
14x8x3(1483)	14.00	8.00	3.00	3.89	9.00	34.55	311	1170	1670	2350	3350	4040	5040
14x8x7(1487)	14.00	8.00	7.00	1.65	21.00	34.55	725	2730	3920	5480	7840	9400	11760
14x8x9(1489)	14.00	8.00	9.00	1.27	27.00	34.55	933	3510	5040	7045	10080	12100	15100
16x9x5(1695)	16.00	9.00	5.00	2.29	17.50	39.26	687	2020	2870	4020	5750	6920	8650
16x12x7(1627)	16.00	12.00	7.00	2.44	14.00	43.98	615	1410	2000	2800	4020	4840	6060
18x10x7(1807)	18.00	10.00	7.00	1.57	28.00	43.98	1231	2880	4110	5760	8230	9900	12360
18x10x10(1800)	18.00	10.00	10.00	1.10	40.00	43.98	1759	4100	5880	8230	1175	14100	17650
20x10x7(2007)	20.00	10.00	7.00	1.30	35.60	46.30	1649		5200	7200	10300	12500	
20x10x10(2000)	20.00	10.00	10.00	0.94	50.00	47.10	2355		6650	9300	13300	16000	
22x14x8(2248)	22.00	14.00	8.00	1.77	32.00	56.54	1809	2530	3620	5060	7230	8700	10800
22x14x10(2240)	22.00	15.00	10.00	1.41	40.00	56.54	2261	3160	4520	6330	9040	10800	13600
25x15x8(2558)	25.00	15.00	8.00	1.57	40.00	62.83	2513	2860	4090	5720	8200	9830	12300
25x15x10(2550)	25.00	15.00	10.00	1.26	50.00	62.83	3141	3570	5100	7150	10220	12280	15630
25x15x13(2553)	25.00	15.00	13.00	0.97	65.00	62.83	4084	4640	6640	9300	13270	15900	19980
31x19x6(3196)	31.00	19.00	6.00	1.58	36.00	78.53	2827	2060	2940	4110	5880	7070	8840
31x19x9(3199)	31.00	19.00	9.00	1.46	54.00	78.53	4241	3090	4400	6168	8810	10600	11780
31x19x12(3192)	31.00	19.00	12.00	1.10	72.00	78.53	5654	4120	5870	8220	11740	14140	13200
31x19x17(3197)	31.00	19.00	17.00	0.77	78.52	78.52	6126		8210	11500	16700		
36x23x15(3635)	36.00	23.00	15.00	0.94	94.12	93.38	8789	4500	6430	9000	12860	16000	19100
38x22x10(3820)	38.00	22.00	10.00	1.19	75.00	92.67	6950	3820	5460	7640	10900	13100	16400
38x22x14(3824)	38.00	22.00	14.00	0.70	105.00	92.67	9731	5350	7640	10700	15300	18300	23000
50x35x15(5055)	50.00	35.00	15.00	1.187	113.05	134.19	15169.5		5300	7500	10700		
50x35x20(5050)	50.00	35.00	20.00	0.890	150.85	134.25	20251.3		7000	9800	14000		