

CD- type amorphous choke core

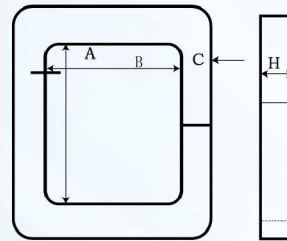
1、 Features

- ✧ High permeability and low coercivity
- ✧ Low core loss
- ✧ Adjustable air gap size, access to different permeability
- ✧ Excellent DC superposition characteristic
- ✧ Good temperature stability,
- ✧ operating temperature range $-55^{\circ}\text{C}\sim 130^{\circ}\text{C}$



2、 Applications

- ✧ Filters for current in large power supply
- ✧ Power Factor Correction PFC
- ✧ Dimmer chokes for noise



3、 Dimensions and electrical parameters

(1) dimension

TYPE	CORE SIZE :mm				CORE WEIGHT: g	Effective cross-sectional area(Ae): cm ²	Magnetic path length(Le):cm
	A	B	C	H			
SR50-I 60301220	60	30	12	20	1.72	21.8	270
SR50-I 60302020	60	30	20	20	2.88	24.6	510
SR50-I 60362030	60	36	20	30	3.60	25.6	663
SR50-I 60403030	60	40	30	30	6.30	30.2	1370
SR50-I 76251520	76	25	15	20	2.16	24.9	387
SR50-I 80403030	80	40	30	30	6.30	35.8	1624

CD- type amorphous choke core

SR50-I 84352225	84	35	22	25	3.90	30.7	860
SR50-I 85622050	85	62	20	50	7.00	35.4	1784
SR50-I 88452630	88	45	26	30	5.46	34.8	1368
SR50-I 100322540	100	32	25	40	7.00	34.5	1740
SR50-I 130452530	130	45	25	30	5.25	42.2	1595

(2)Electrical parameters of the inductor winding

TYPE	The total length of the gap (mm)	Inductance per turn of AL $\pm 10\%$ uH	Allows the use of ampere turns:AT
SR50-I 60301220	2×0.5	0.38	600
	2×1.0	0.30	1200
	2×2.0	0.23	1800
SR50-I 60302020	2×0.5	0.50	520
	2×1.0	0.39	1100
	2×2.0	0.29	1700
SR50-I 60403030	2×1.0	0.40	1000
	2×2.0	0.35	1600
	2×3.0	0.30	2800
SR50-I 80403030	2×2.0	0.49	1500
	2×3.0	0.42	2600
	2×4.0	0.38	3800
	2×2.0	0.45	1400

CD- type amorphous choke core

SR50-I 88452630	2×3.0	0.38	2500
	2×4.0	0.34	3600
SR50-I 130452530	2×2.0	0.42	1400
	2×3.0	0.35	2400
	2×4.0	0.30	3500