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# 秦皇岛市燕秦纳米科技有限公司

Qinhuangdao Yanqin Nano Science and Technology Co., Ltd.

## Amorphous Filter Choke Core

### ■ Characteristics:

- 1 One-stop shop for core and coil
- 2 Features with low core loss and low heat dissipation at high frequency for amorphous core
- 3 Good saturation property with air gap technology
- 4 Good temperature stability
- 5 Product can be customized
- 6 Suitable for small batch quantity with short lead time
- 7 Low cost with high volume quantity
- 8 Large current over 50A by coil winding

### ■ Applications:

- 1 Smoothing boost filter
- 2 Noise suppression for signal line
- 3 Filter circuits for SiC and GaN power devices
- 4 Power circuit with low noise requirements
- 5 Resonator
- 6 Single-phase PFC and three-phase PFC, CHP circuits

### ※ Notes:

- 1 Operating temperature rang: - 25℃ ~+ 120℃ (Including spontaneous temperature rise)
- 2 All products meet the requirements for RoHS standard



NO.	Part No.	Shape	Rated Current	Peak Current	L Value (uH)		DC	Dimension (mm)				Coil		Size Drawing	
			Arms	[A]	I=0	I=Rated	mΩ	Coil size		PIN Length		Diameter	Reference Turns (Ts)		
					±30%	推定 min		Max	A	C	L				P
1	YAGC-10A151-131V	Vertical Type	10	14	150	130	20	40	29	15		1.6	1 P	30	Fig. 1
2	YAGC-15A131-121V		15	21	130	120	22	57	41	30		2	1 P	36	Fig. 1
3	YAGC-15A151-121V		15	21	150	120	22	57	41	30		2	1 P	28	Fig. 1
4	YAGC-20A351-301V		20	28	350	300	20	80	35	20		2.3	1 P	40	Fig. 1
5	YAGC-25A311-201		25	35	310	200	15	60	42	15		1.8	2 P	38	Fig. 1
6	YAGC-25A501-451V		25	35	500	450	30	85	45	20		2.4	1 P	60	Fig. 1
7	YAGC-26A111-100V		26	36.4	110	100	15	59	42	30		2.6	1 P	33	Fig. 1
8	YAGC-30A111-101V		30	42	105	100	10	57	43	30		1.3	4 P	22	Fig. 1
9	YAGC-50A200-120V		50	70	20	12	4	63	35	20		2	4 P	10	Fig. 1
10	YAGC-50A121-101V		50	70	120	100	6	86	55	20		2	4 P	22	Fig. 1
11	YAGC-20A901-751 HB	Horizontal Type	20	28	900	750	40	88	49.5	15	44	2.3	1 P	69	Fig.4

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