

EC Magnetic Ferrite Core



RoHS / RoHS II Compliant

FEATURES:

- High saturation magnetic flux density
- it is easy for wire winding because of the round structure at middle
- Easy design for relative higher power transformer

APPLICATIONS:

- Switching power supply transformers
- Different kind of Switching power supply transformers Converters
- pulse transformers

DESCRIPTION & KEY ELECTRICAL SPECIFICATIONS

The EC Magnetic ferrite core is widely used for high frequency of transformer, we provide 44 and 95 ferrite material for options.

PART IDENTIFICATION:

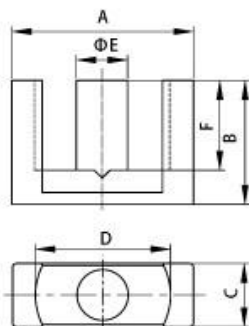
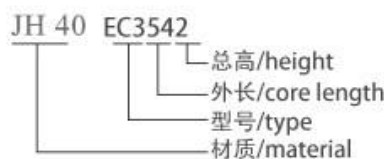


Fig 1



型号 Type	有效参数Effective parameter				重量 Weight(g)	AL ± 25% (nH/N ²) TY40
	C1(mm ⁻¹)	Le(mm)	Ae(mm ²)	Ve(mm ³)		
EC1308	1.420	21.30	15.0	319.5	1.8	1250
EC1616	1.744	20.81	36.3	755.4	4.0	1800
EC1916	1.800	39.60	22.0	783.8	4.4	1150
EC1927(ETD19)	1.250	55.30	44.1	2438.7	14.0	1600
EC2428	1.100	56.30	61.9	3480.0	17.4	1900
EC2510A	0.59	30.4	51.4	1558.6	8.80	2700
EC2510B	0.62	31.3	50.2	1569.1	8.90	2700
EC2618	1.070	47.50	44.4	2110.0	11.0	1920
EC2818	0.480	43.85	90.1	3951.5	19.1	3300
EC2821	0.530	49.37	93.1	4596.2	23.5	3150
EC2828	0.728	62.90	86.3	5430.0	28.0	2710
EC2828D	0.728	62.90	83.8	5434.0	29.0	2750
EC2834	0.868	74.30	85.6	6360.0	33.0	2550
EC2928	0.740	63.60	85.6	5447.0	29.3	2750
EC2934	0.890	75.10	84.6	6143.0	33.8	2650
EC2932(ETD29)	0.927	70.74	76.3	5396.5	28.2	2300
EC3124	0.510	56.10	109.0	6120.9	29.2	3000

All material meet RoHS Standard

JHCOILS

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型号 Type	有效参数Effective parameter				重量	AL±25% (nH/N ²)
	C1(mm ⁻¹)	Le(mm)	Ae(mm ²)	Ve(mm ³)	Weight(g)	TY40
EC3335	0.650	79.60	123.0	9790.0	50.3	2800
EC3435 (ETD34)	0.815	79.00	97.1	7670.0	38.0	2800
EC3530	0.660	70.50	106.3	7499.0	38.0	2700
EC3542	0.840	90.80	107.1	9716.0	52.7	2600
EC3542D	0.881	90.80	103.1	9361.5	51.7	2600
EC3543	0.840	93.90	108.2	10187.0	54.0	2600
EC3543D	0.880	94.40	106.7	10080.0	53.0	2700
EC3643D	0.880	95.30	109.0	10390.0	55.0	2700
EC3945	0.700	102.40	138.1	14090.0	68.5	2800
EC3940(ETD39)	0.741	92.60	125.0	11600.0	57.2	2800
EC3942 (ETD39)	0.810	97.50	121.0	11790.0	61.0	3500
EC4018	0.346	48.50	140.0	6780.0	36.2	5170
EC4045	0.634	97.20	153.0	14900.0	75.9	3300
EC4055	0.768	117.00	152.0	17800.0	89.0	2800
EC4242	0.527	96.30	183.0	17600.0	92.5	4000
EC4244	0.380	98.80	254.7	25173.6	122.0	4200
EC4345	0.520	99.20	189.0	18750.0	99.9	3600
EC4445(ETD44)	0.592	104.00	175.0	18000.0	90.8	4000
EC4949 (ETD49)	0.542	115.00	211.0	24200.0	128.0	4400
EC4954	0.490	117.60	241.0	28392.0	150.0	4500
EC5346	0.340	108.50	318.4	34533.0	178.0	6000
EC5455	0.460	127.90	275.1	35187.0	176.0	5300



STORAGE AND OPERATIONAL CONDITION:

Storage condition

- Recommended storage conditions: $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, 70%RH (Max.)
- Service life: Within the limits of six month from being produced.
- The appearance and solder ability should be check, if product is not in expiry date.

Operation Conditions

- Use condition limit: $T = -25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, $\text{RH} \leq 90\%$.

NOTE:

- The parts are manufactured in accordance with this specification. If other conditions and specifications which are required, please contact us for more information.
 - We will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.
 - In no case shall JHcoils be liable for any product failure from in appropriate handling or operation of the item beyond the scope of this specification.
 - When changing your production process, please notify us immediately.
- V) This drawings and specifications are the property of JHCoils .and shall not be reproduced or used as this the basis for the manufacture or sale of apparatus or devices without permission.

CUSTOMED PRODUCTS

We can Provide other Magnetic ferrite core and transformer components according to your requirements. Email us: info@jhcoils.com

ATTENTION: The electronic component is designed and developed for usage in general electronic products only. This products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. We shall not be liable for incidental or consequential damage so fany kind.