



Tianjin Grewin Technology Co., Ltd

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Grewin Factory





Tianjin Grewin Technology Co.,Ltd, who always pay great attention to its business philosophy "Quality and Honesty First".

Grewin is specialized in the design and manufacture of wound components such as transformer,current sensors, chokes etc . windely used in communications,electronics,meters,industrial control,medical equipments and other fields.We are also a provider of power meters and instruments locators. 85% of its products exported to America, Europe, and Asia etc.

We have passed ISO9001,CE,SGS approval and CB,IEC report and developed good cooperative relationship with valued customers around product quality and value-added service along with the fast efficient solution.Grewin has won a lot of customer' s praise.



Products Introduce

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Certification Show



CE CB CERTIFICATE



BST | A RELIABLE TESTING FOR TRUST
GLOBAL TESTING AND CERTIFICATION PROVIDER SERVICE CLUSTER FACTORY

Certificate of Compliance

Certificate No. : BST18011055310001Y-1EC-1
Applicant : TIANJIN GREWIN TECHNOLOGY CO.,LTD.
 F2 ECONOMIC BUILDING OF HEAD OFFICE,NO.1 JINGHUI ROAD,
 DONGLI DISTR, 300301 TIANJIN CHINA
Manufacturer : TIANJIN GREWIN TECHNOLOGY CO.,LTD
 2# MEINIAN PLAZA NO.16 DONGTING ROAD,HEXI DISTR,
 300222 TIANJIN CHINA.
Product Name : TRANSFORMER
Trade Name : 

Main Test Model : GWB012518-5000VA
Additional Model : "XXXXXXX" means production code and "XXX3" "5000" represent output power.Eg:XXX3=0003-5000 means output power 3VA-5000VA, "XX" indicate core size, "YY/YYYY" indicate output specification is between 0.1-245VA,output voltage is 1-42VAC,output current between 0.01-6A,class B.The details as below, 1180321(EI66-321/30VA)
 GWB100H-100VA, GW-XX-YY/YYYY Series, GWEE16-06, GWXXXXXXXX-003VA, GWXXXXXXXX-005VA, GWXXXXXXXX-008VA, GWXXXXXXXX-009VA, GWXXXXXXXX-010VA, GWXXXXXXXX-020VA, GWXXXXXXXX-030VA, GWXXXXXXXX-040VA, GWXXXXXXXX-050VA, GWXXXXXXXX-060VA, GWXXXXXXXX-070VA, GWXXXXXXXX-080VA, GWXXXXXXXX-090VA, GWXXXXXXXX-100VA, GWXXXXXXXX-130VA, GWXXXXXXXX-150VA, GWXXXXXXXX-160VA, GWXXXXXXXX-180VA, GWXXXXXXXX-200VA
Test Standard : EN61000-6-3:2007/A1:2011/AC:2012
 EN61000-3-2:2014
 EN61000-3-3:2013
 EN61000-6-1:2007

As shown in the Test Report No. : BST18011055310001Y-1ER-1.
 The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.
 The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production.





Christina Deng
 Manager
 Feb. 07, 2018

Shenzhen BST Technology Co.,Ltd.
 Add: Building No.23-24, Zhiheng Industrial Park, Guanqouer Road, Nantou,Nanshan District,Shenzhen,Guangdong,China
 Certificate Search: <http://www.bst-lab.com> Tel:400-882-9628, 8009990305, E-mail:christina@bst-lab.com

 		Ref. Certif. No. SG ITS-15599
IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME		
CB TEST CERTIFICATE		
Product Name and address of the applicant Name and address of the manufacturer Name and address of the factory <small>Note: When more than one factory, please report on page 2</small> Ratings and principal characteristics Trademark (if any) Customer's Testing Facility (CTF) Stage used Model / Type Ref. Additional information (if necessary may also be reported on page 2) A sample of the product was tested and found to be in conformity with As shown in the Test Report Ref. No. which forms part of this Certificate	Toroidal Transformer Tianjin Grewin Technology Co., Ltd. #2 MeiNian Plaza No.16 DongTing Road, Hexi Distr, 300222, Tianjin, China Tianjin Grewin Technology Co., Ltd. F2 Economic Building of Head office No. 1 Jinghui Road, DongLi District, Tianjin, China Tianjin Grewin Technology Co., Ltd. F2 Economic Building of Head office No. 1 Jinghui Road, DongLi District, Tianjin, China Input: 230Vac, 50Hz (RED-RED) Output: 16Vac, 3A (BLUE-BLUE)  (Grewin logo) - GWB2415-80VA - IEC 61558-2-6:2009 IEC 61558-1:2005 + A1:2009 18042418BGZU-001 This CB Test Certificate is issued by the National Certification Body	
Intertek Testing Services (Singapore) Pte Ltd 5, Pereira Road, #06-01 Asiawide Industrial Building Singapore 369025 Date: 16 July 2018		
		 Signature: 

Manufacturing Excellence & Innovation Awards 2017-2018



TIANJIN CHAMBER OF ALIBABA



GREWIN TRANSFORMER

EI Laminated Transformer & Magnetic Transformer & Chokes



Scan and View Products

All raw material accord with SGS ,UL, CE,ROHS ,ISO9001 requirements and are very appreciative in the U.S.A and Europe market.

EI Lamination Transformer Type EI28, EI30, EI35, EI48, EI57, EI66, EI86, EI96, EI105, EI114 EI152, EI162 etc.

Mounting :Lead-Wire Type, Rack Type, Plug-in Type etc.

Application

Widely used in audio,power amplifiers,UPS power supply, mechanical,medical instruments, Measuring instruments,chemical, telecommunications, science, education and other industries with a variety of power equipment etc.

Magnetic Transformer Type EFD,ETD,EP,ER,PQ,EF,EPC ,RM Series etc.

Application

PCB circuits,computer,TV, Monitor,scanner,duplicator, Printer,VCRS,Game machines,chargers,alarm system,communications control equipment, switching power supply, UPS supply,visual equipment,OA machines,lighting equipment,electronic instruments,SPC exchange,fax machine,ballast, converts,Motor drives,Hybrid vehicle ,Wind power and solar power controls.

Chokes Type Choke Coil, DRW Bobbin Cores ,Air Core,Toroidal Coil, Inductor

Application

Power line filtering, EMI/RFI for switch mode power supplies,driver, ADSL, network, transmission line, inverter power supply, UPS notebook power supply, communication power supply etc.



Transformer Application





EI Low Frequency Transformer

Our Technical Capability:

EI series low-frequency transformers can be classified into wire leads type and pin type. The following technical parameters are for reference only, we can customized all series according to your requirement.

Application:

Elevator	LED lighting	halogen lamp
charger	water pump	Rectifier
Measuring instruments	Communication equipment	
Medical equipments	Audio & Video equipment	

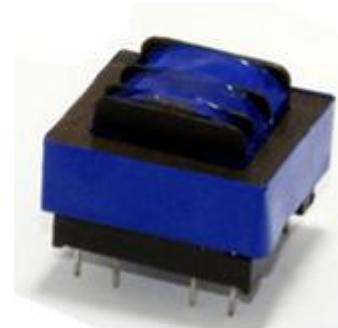
1: EI pin-type Laminated Transformer



Model type :

- EI19
- EI24
- EI26
- EI28

- EI35
- EI41
- EI48



EI pin-type Dimension:

Pin-Type EI Laminated Transformer Specification

Core model	Lamination Thickness	Volume	Pin distance	Pin distance	Line distance	Size	Pin
EI19	29	0.8-1.3	6*2	4*3	34	40*21*17	RYZ(3+4)
EI24	18	1.0-1.2	5*3	5*3	14	25*21*32	RYZ(4+4)
EI28	10	0.5-0.65	5*3	7.5*2	18	30*23*27	RYZ(4+4)
	11	0.7-0.8	6*2	6*2	22	30*27*27	RYZ(3+3)
	12	0.8-0.9	5*4	5*4	20	29*26*25	RYZ(5+5)
	14	1.1-1.3	7.5*2	7.5*2	22.5	29*27*26	RYZ(3+3)
	17	1.5-2.0	7.5*2	7.5*2	22.5	30*30*26	RYZ(3+3)
EI30	12.5	1.5-2	5*4	5*4	20	31*28*27	RYZ(5+5)
EI35	11	1.5-2.0	5*4	5*4	20.5	37*33*30	RYZ(5+5)
	12.5	1.2-1.5	5*3	4	22.5	36*31*30	RYZ(5+5)
	14	1.8-2.5	5*4	5*4	21	36*31*33	RYZ(5+5)
	15	2-2.5	5*4	5*4	21.5	36*31*34	RYZ(5+5)
EI41	17	4-5	6.5*4	8.5*2	30	42*34*37	LBW(4+4)
	22	7-8	7.5*5	5*2	23	42*34*41	LYZ(4+5)
EI48	35	28-31	4*6	4*6	45.5	49*52*42	RYZ(6+7)

型号 (Model)	铁芯尺寸 (长/宽/叠厚) Lamination Dimension(L/W/H) Unit:MM	功率 (W) Output Power (W)
GWE128-12	28/25/12	0.5-1
GWE128-15	28/25/15	0.8-1.5
GWE128-16	28/25/16	0.8-2
GWE128-18	28/25/18	1.3-2.5
GWE128-20	28/25/20	1.8-3
GWE138-10	35/29.5/10	1-1.5
GWE135-12.5	35/29.5/12.5	1.5-2
GWE135-15	35/29.5/15	2.1-3
GWE135-18	35/29.5/18	2.5-3.5
GWE135-20	35/29.5/20	3.5-4
GWE138.4-13.5	38.4/32/13.5	2.5-3.5
GWE141-13	41/33/13	3-3.5
GWE141-15	41/33/15	3.6-4
GWE141-17	41/33/17	4.1-5
GWE141-20	41/33/20	4.5-5.5
GWE141-25	41-33-25	5.1-6
GWE148-16	48/40/16	6.0-7.0
GWE148-18	48/40/18	7.0-8
GWE148-20	48/40/20	8.0-10
GWE148-24	48/40/24	9.5-13
GWE148-30	48/40/30	15-20

Encapsulated Transformer Show

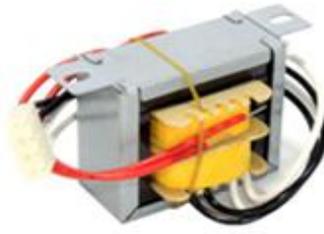




2: Wire lead low frequency transformer



EI28



EI41



EI41



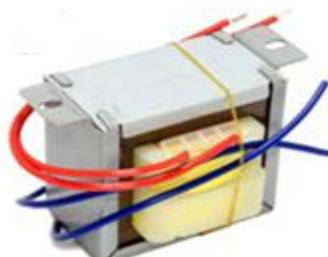
EI57



EI57



EI66



EI66



EI66



EI76



EI76

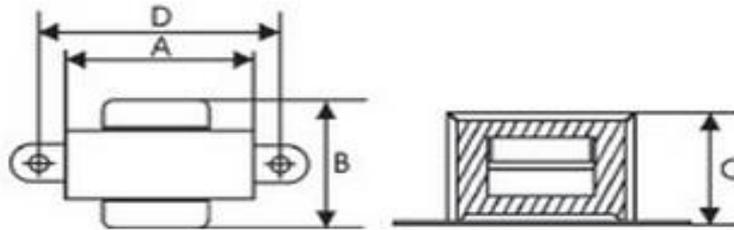


EI48



EI66

Wire lead low frequency transformer

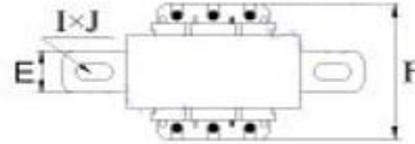
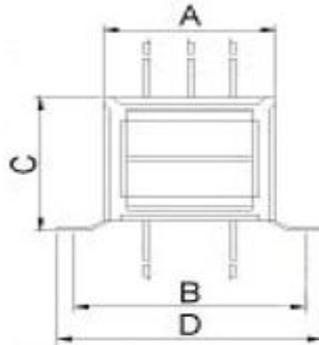


Model Number	Power (VA)	Adjusting Rate(%)	Efficiency(%)	Exterior and Installing Dimension(mm)					Weight(kg)
				A	B	C	D	E	
EI 41	3	20	78	43	42	35	54	-	0.165
	4	20	78	43	38	36	55	-	0.476
EI48	8	18	80	50	42	42	60	-	0.588
	20	17.1	80.5	50	52	42	60	-	0.68
EI 57	22	17	80.8	59	47	50	72	-	0.69
	25	16.8	81.2	59	52	50	72	-	0.72
	35	16	82	59	62	50	72	-	0.887
EI 66	25	15.8	83	68	53	60	55	-	0.987
	37	15.8	84	68	65	60	55	-	1.586
	50	13	85.1	68	75	60	55	-	1.35

Wire lead low frequency transformer

EI 76	60	12.9	85.5	78	56	68	65	-	1.3
	80	11.1	86	78	78	68	65	-	1.768
	140	11	86	78	94	68	65	-	1.976
EI 86	65	10	86.5	86	65	75	73	58	2.47
	100	10	86.9	86	81	75	73	67	2.47
	125	10	87	86	80	75	73	75	2.91
EI 96	95	9	87.5	96	73	85	78	58	2.712
	130	9.2	87.2	96	82	85	78	65	3.22
	150	9.2	87	96	86	85	78	70	3.569
EI 105	200	8.5	90	105	80	93	88	76	3.7
	250	8.5	90	105	90	93	88	76	5.2
EI 114	300	5.0	82.3	114	115	100	95	90	5.8
	350	4.7	82.4	114	125	100	95	110	7.52
EI 133	400	4.5	82.9	133	120	111	111	99	8.71
	450	4.5	93.1	133	114	111	111	114	9.01
EI 152	500	4.0	93.5	152	126	128	109	109	10.4
EI 190	2000	3.5	96	190	135	154	112	112	20

EI35 Specification:



Input voltage: 220V/110V 50/60HZ

Output voltage: 9V、12V、15V、24V、2×6V、2×9V、2×12V

Power: 1.5W~3.5W

High Voltage Resistance : Pri-Sec \geq 3250VAC

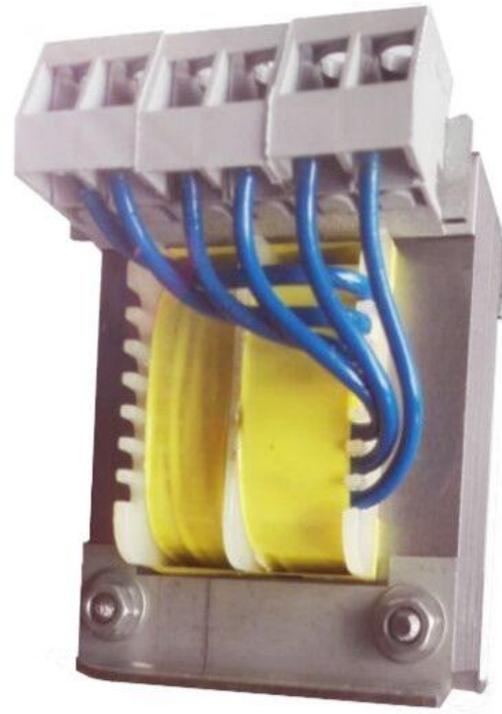
Pri-Core \geq 1500VAC;

Sec-Core \geq 1500VAC

Product Model	Dimensions (mm)								Power (VA)
	A	B	C	D	E	F	I	J	
EI35	37	45	32	57	9	30	7	4	1.5
	37	45	32	57	12	34	8	4	1.5
	37	47	32	57	12	34	8	4	3
	37	48	32	59	14	33	8	4	3
	37	48	32	59	15	34	8	4	3.5



EI Step Down Transformer



EI Step Down Transformer Show



EI Transformer Datasheet

产品型号	额定功率	电压调整率	外形尺寸SIZE (mm)					重量 (KG)	产品认证
MODEL	POWER	VOLTAGE	A(±1.5)	B(±2)	C(±2)	D(±2)	E(±2)	WEIGHT	APPROVAL MARK
GWT-EI28	1.5W	35	43		30	38	28	0.11	CE TUV CQC UL
GWT-EI35	3W	22	47		37	38	33	0.15	CE TUV CQC UL
GWT-EI41	11W	16.5	54		43	47	35	0.32	CE TUV CQC UL
GWT-EI48	25W	13.1	62		50	65	43	0.57	CE TUV CQC UL
GWT-EI57	40W	11.8	73		59	65	51	0.84	CE TUV CQC UL
GWT-EI66	80W	9.3	83		68	80	58	1.38	CE TUV CQC UL
GWT-EI76	140W	7.6	64	70	76	85	68	2.25	CE TUV CQC UL
GWT-EI86	180W	7.1	72	75	86	92	73	2.82	CE TUV CQC UL
GWT-EI96	250W	6	80	81	96	90	82	3.36	CE TUV CQC UL



High Frequency Transformer

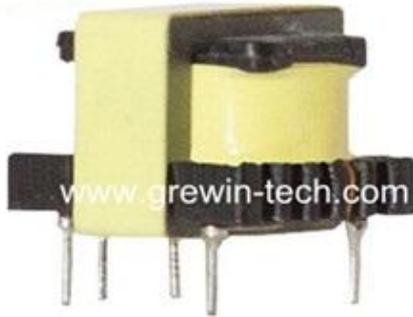
Our product model:

High-frequency transformers can be classified into EE/ER/EC/ RM/ ETD/ EFD/ECP type. The following technical parameters are for reference only, we can customized all series according to your requirement.

Application:

- (1) TV sets, Microcomputer equipment, printers ,terminals
- (2) UPS, VCD,DVD players ,audio and visual equipment
- (3) Lighting fixture
- (4) Medical electronics
- (5) Power supplies
- (6) Meters and equipments product
- (7) Current control and heat dissipation

1: EE core high frequency transformer



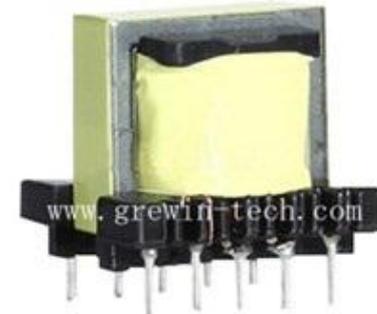
EE13



EE22



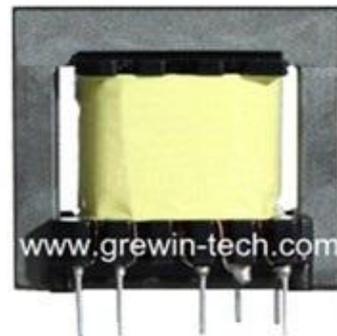
EE25



EE30



EE33



EE40



EE55



EE65



EE core transformer Dimension:

Chart 1

EE type transformer							
Part No.	Terminal Pins	Dimension mm			Type	Electrical parameter	
		A	B	C		Inductance	Output power(W)
EE-8.3	6	8.0	8.0	8.3	V	100.0uH	0.2-3.0
EE-10	8	11.5	10.2	10.2	V	80.0uH	0.5-5.0
EE-13	10	12.0	12.5	13.0	V	120.0uH	0.5-8.0
EE-16-1	6	14.8	13.3	16.0	V	90.0uH	1.0-10.0
EEL-16	10	28.5	16.0	21.9	V	600.0uH	2.0-15.0
EE-19-1	8	17.6	16.0	19.0	V	800.0uH	3.0-30.0
EEL19	10	31.5	16.0	21.1	V	1200.0uH	3.0-30.0
EE-25-1	6	20.0	8.2	25.2	V	2000.0uH	3.0-15.0
EEL25	8	35.3	17.5	25.2	V	2800.0uH	3.0-45.0
EE-30	10	21.0	29.2	30.0	H	900.0uH	3.0-50.0
EE-40	14	27.6	30.5	40.0	H	1500.0uH	3.0-55.0
EE-42/15-1	12	33.8	44.0	42.0	H	2000.0uH	3.0-80.0
EE-42/20-1	12	45.0	39.8	42.0	V	1900.0uH	3.0-90.0
EE-55	20	50.0	50.0	55.0	H	3000.0uH	3.0-150.0
EE-65	16	55.2	51.8	65.0	H	4500.0uH	3.0-300.0

Chart 2

Type	Specification	Power	Working frequency
 <p>www.grewin-tech.com</p> <p>EE Type Transformer</p>  <p>www.grewin-tech.com</p>	EE70	≥600W	20-100KHz
	EE58	≥480W	20-100KHz
	EE55	≥400W	20-100KHz
	EE50	≥350W	20-100KHz
	EE47	≥230W	20-100KHz
	EE42	≥200W	20-100KHz
	EE40	≥170W	20-100KHz
	EE35	≥145W	20-100KHz
	EE33	≥138W	20-100KHz
	EE30	≥127W	20-100KHz
	EE28	≥120W	20-100KHz
	EE25	≥80W	20-100KHz
	EE22	≥33W	20-100KHz
	EE19	≥24W	20-100KHz
	EE16	≥18W	20-100KHz
	EE13		20-100KHz
	EE10.2		20-100KHz
	EE8.3		20-100KHz
EE6.3		20-100KHz	

2: ETD core high frequency transformer



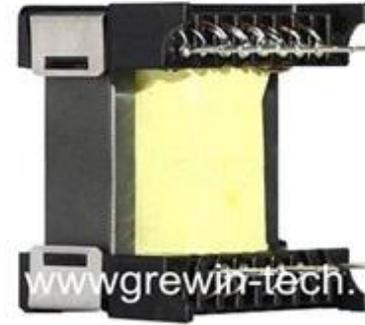
ETD29



ETD34



ETD39



ETD44



ETD49-H



ETD49V

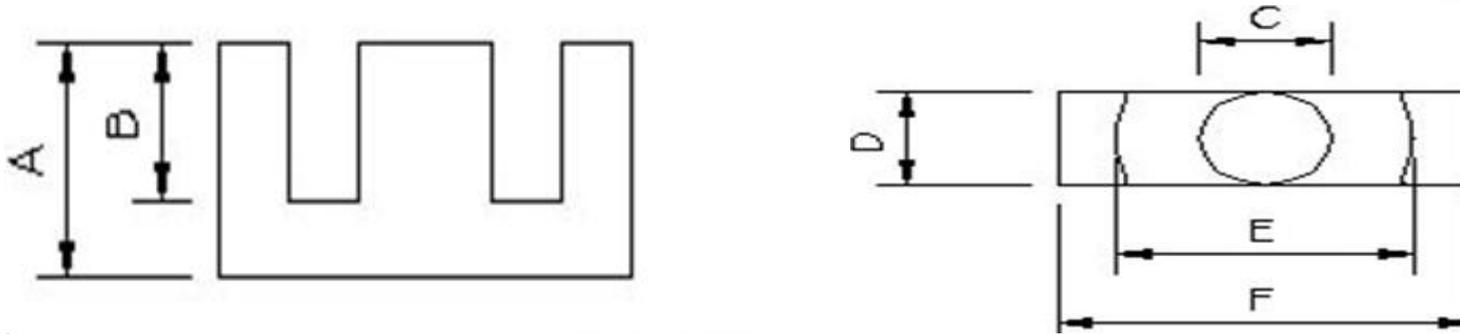


ETD59-H



ETD59-V

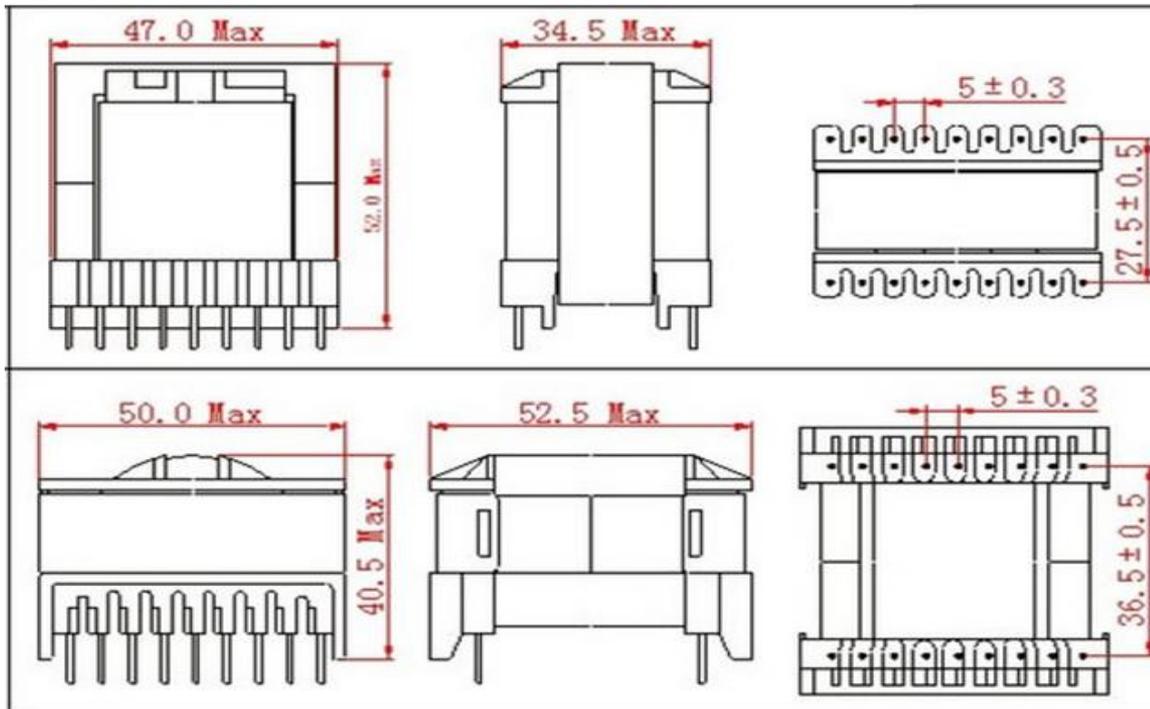
ETD core Dimension :



CORE DIMENSIONS (mm)

TYPE	A	B	C	D	E	F
ETD29	16	10.7	9.8	9.8	22	30.6
ETD34	17.5	11.8	11.1	11.1	25.6	34
ETD39	20	14.2	12.8	12.8	29.3	38.9
ETD44	22.5	16.1	15.2	15.2	32.5	43.8
ETD49	24.9	17.7	16.7	16.7	36.1	48.5
ETD54	27.8	19.8	19.3	19.3	40.1	54.5
ETD59	31.2	22	22.1	22.1	43.6	59.8

ETD44 (horizontal and vertical) Dimension :





ETD Series Technical parameter:

All ETD Series:

Working frequency:40-500KHz

Working temperature:-40°C~125°C

Storage temperature:-25°C~85°C

Storage moisture:30~95%

Model	Output power : W
ETD29	30-90
ETD34	30-90
ETD39	20-500
ETD44	20-800
ETD49	20-800
ETD59	400-2000



3:RM core high frequency transformer



RM4



RM6



RM8



RM8



RM10



RM12



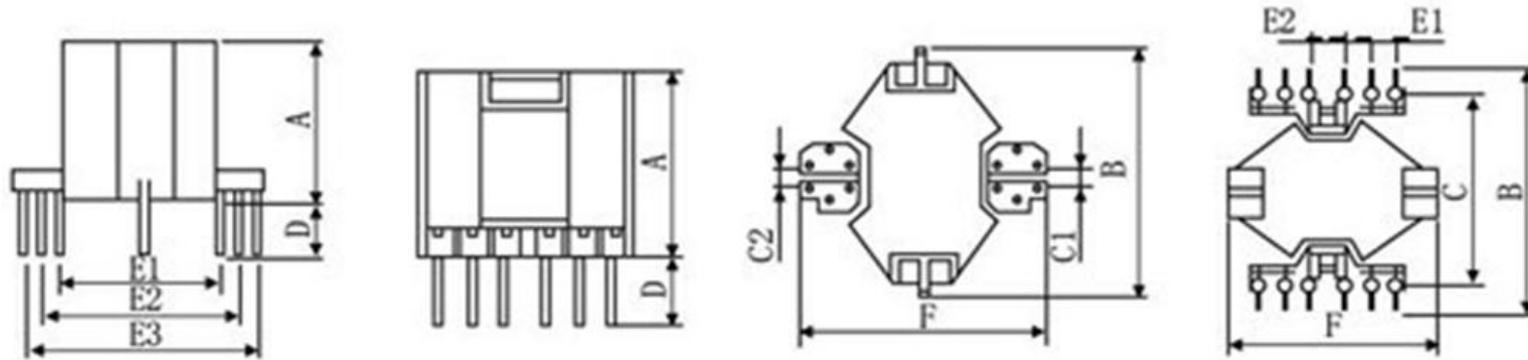
RM14



RM12



RM Series Dimension :

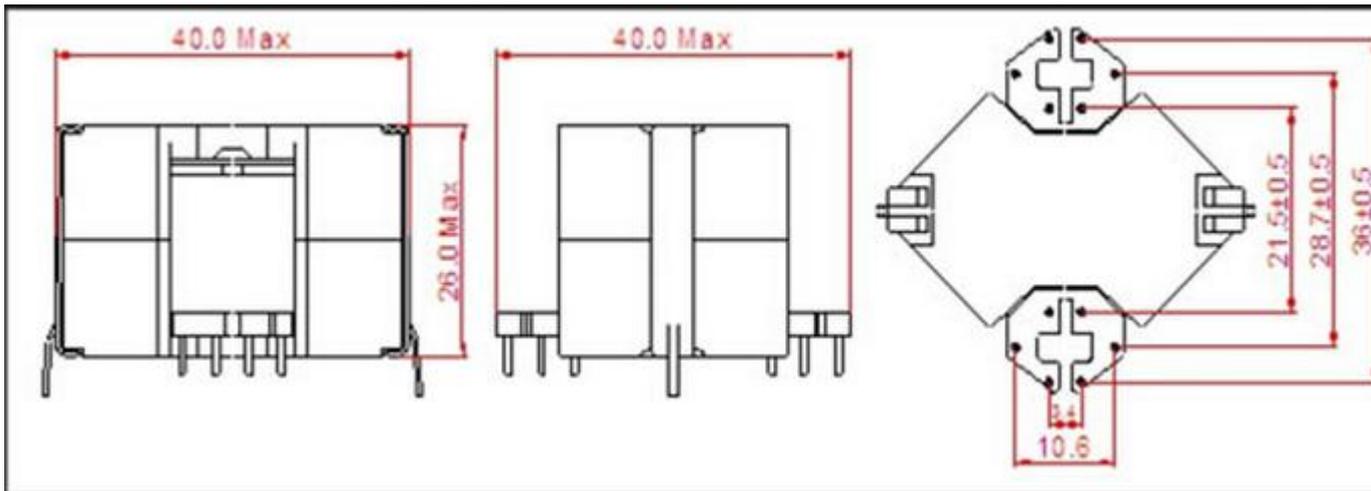
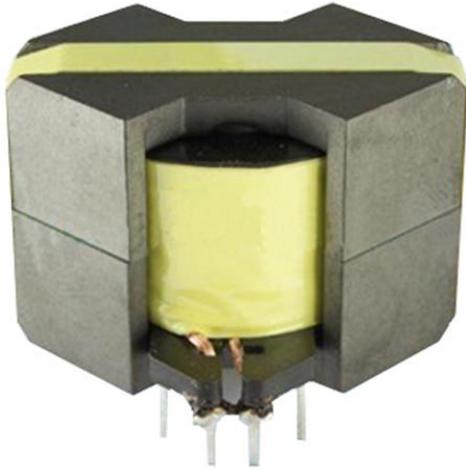


Model	Pin	Dimension (mm)								
		A	B	C1	C2	D+/-0.5	E1	E2	E3	F
RM-4	6	7.8	13.5	1.8	3.6	4.2	7.2	10.8		12.6
RM-5	6	7.2	15.5	1.8	3.6	4.4	10.8	14.4		16.0
RM-6	6	13.5	18.5	1.8	3.6	4.7	14.4	18.0		20.7
RM-8	12	12.1	23.5	3.6	7.2	5.0	14.4	18.0	21.6	24.0
RM-10	12	13.4	28.5	3.6	7.2	4.0	18.0	21.6		28.1
RM-12	12	17.7	38.5	3.6	10.8	6.3	21.5	28.7	35.9	38.5
RM-14	12	29.0	48.4	35.6		4.8	5.08	7.6		31.4

RM Series Specification:

Type	Specification	Power	Working frequency
RM Type	RM14	80-250w	20-500KHz
	RM12	40-140w	20-500KHz
	RM10	30-100w	20-500KHz
	RM8	15-60w	20-500KHz
	RM6	4-20w	20-500KHz
	RM4	2-10w	20-500KHz

RM12 Dimension :



4: PQ core high frequency transformer



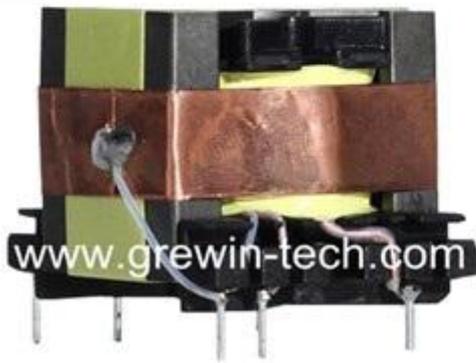
PQ2020



PQ2620



PQ3220



PQ4025

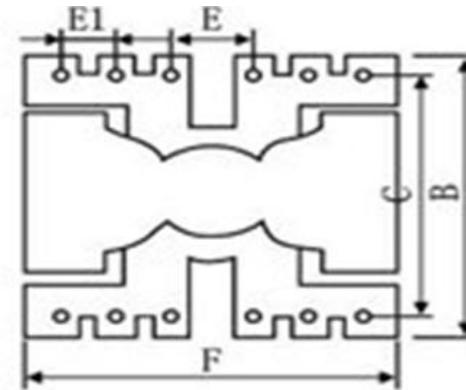
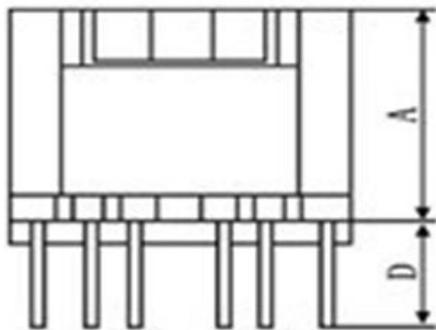


PQ4040



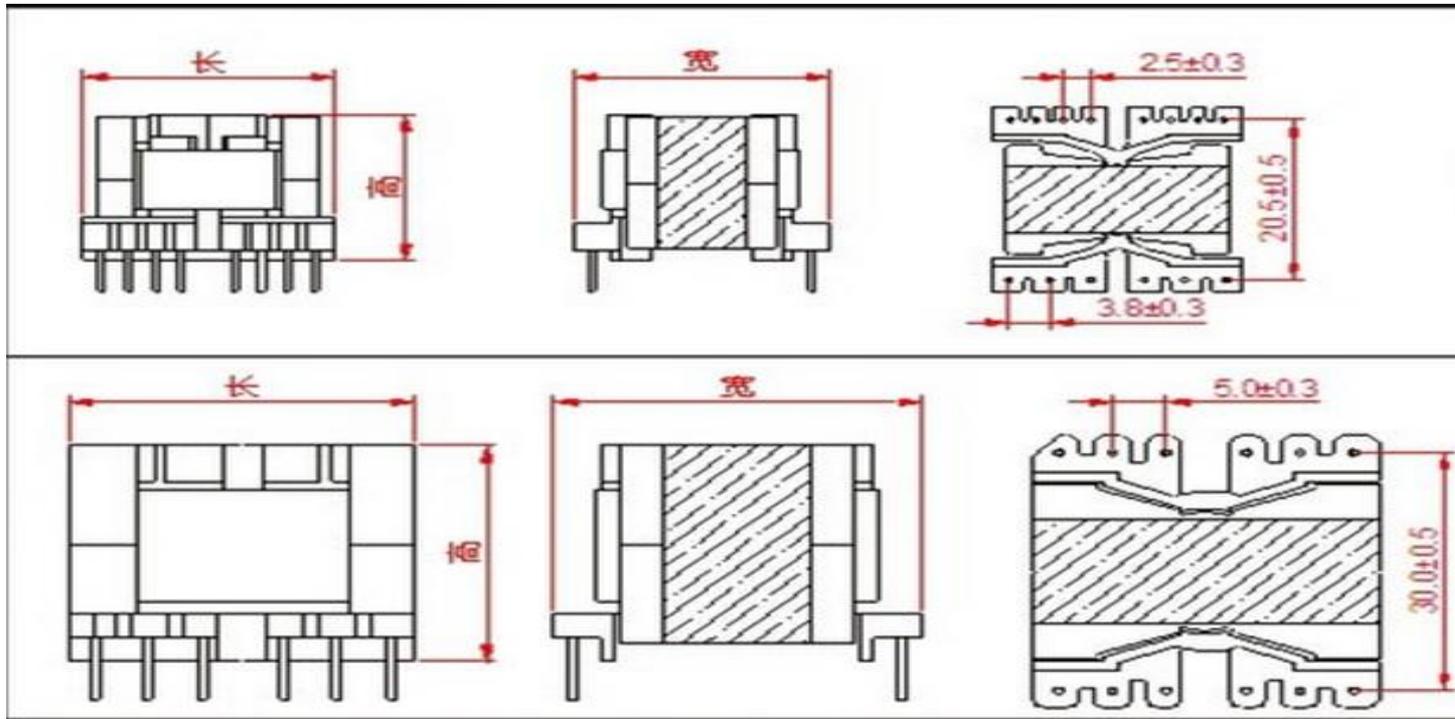
PQ5050

PQ Series Dimension:



Model	Pin	Dimension (mm)						
		A	B	C \pm 0.5	D \pm 0.5	E	EL	F
PQ2016	14	18.5	23.2	20.6	4	5.0	3.8	23.1
PQ2020	14	22.3	23.0	20.3	4	5.0	3.8	23.0
PQ2620	12	20.0	29.3	25.4	4	7.7	3.8	26.6
PQ2625	12	28.5	29.6	25.5	4	7.62	3.8	27.0
PQ3220	12	23.5	34.4	30.7	4	7.62	5.08	32.4
PQ3230	12	33.5	34.2	30.7	4	7.52	5.08	32.3
PQ3535	12	37.5	39.1	35.6	5	10.16	5.08	35.0
PQ4040	12	41.5	42.0	38.0	5	15.0	5.0	40.0
PQ5050	12	48.5	49.4	45.4	5	12.5	7.5	50.0

All PQ Series Dimension:



Other type high frequency transformer



ER25



ER59



EEL16



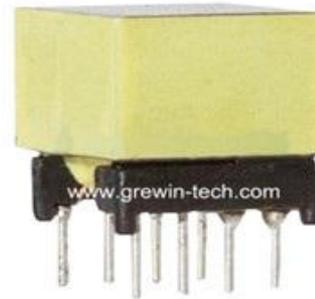
EEL19-V



EEL19-H



EEL22



EP7



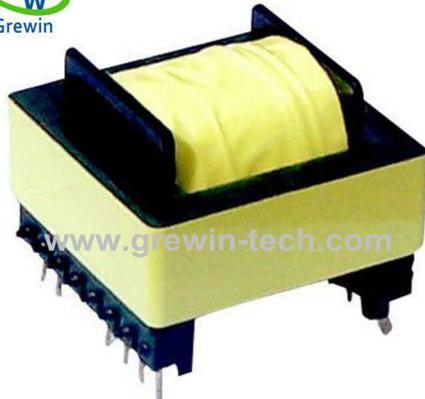
ER28

5: Other type high frequency transformer

(1)ER Type:

Model	PIN	Dimension					
		A	B	C \pm 0.5	D \pm 0.5	E	F
ER25.5	8	19.5	19.7	12.5	4	5	25.5
ER28	12	30.5	23	17.5	4	5	31
ER28	12	23.1	28.2	25	4	5	29.1
ER28	12	36	27	20	4	5	30
ER28	12	26.3	37.1	30	4	5	30.2
ER33	14	37.5	28	22.5	4	5	36
ER35	14	43.5	28	22.5	4	5	35.5
ER35	16	29.1	40.3	35.4	4	5	40.3
ER39	16	46	31.1	25	4	5	43.1
ER39	16	33	41.5	30.85	4	7.5	42.3
ER40	16	48	31.1	25	4	5	43.1
ER4215	14	45.5	30	25	4	5	42
ER4220	14	44	37.5	36	4	5	42

EC/EPC Series Dimension:



Model	Dimension (mm)			VA		Weight g
	A	B	C	f=50KHz	f=100KHz	
EPC-9.5	10	5.5	10	1.1	2.5	9
EPC-13	14	9	14	5	8	11
EPC-17	19	11	18	14	20	18
EPC-19	20	13	21	18	27	21
EPC-25	27	17	26	36	59	29
EPC-27	29	17	36	52	75	35

Technical equipment:

Over 50 sets toroidal/annular coil winding machines,
3 EI type transformer lines,
2 sets of vacuum annealing furnaces,
A set of nitrogen and hydrogen production equipment :

- 1. Automatic Winding Machine
- 2. Semi-automatic Winding Machine
- 3. Toroidal Winding Machine
- 4. Insert Lamination Machine
- 5. Wave Soldering Machine
- 6. Plastic Terminal Ultraviolet Machine
- 7. Domino Ink Jet Printing Machine
- 8. Transformer Multi-tester for High & Low Frequency

Company Produce

Production



Tianjin Grewin Technology Co., Ltd.
Quality & Honesty First
ADVANCED TECHNOLOGY

Exhibition



Delivery



Air Mail



Sea Mail



FedEx
Express
联邦快递



Grewin Office



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Alice Lee
Market Manager



Products: Transformer,Current Transformer,Meter

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