DEFINITIONS



RATED PRIMARY VOLTAGE [V]

This is the supply voltage assigned to the transformer by the manufacturer for the specified operating conditions of the transformer.

RATED SECONDARY VOLTAGE [V]

This is the output voltage assigned to the transformer when supplied with the rated primary voltage, frequency range, rated output current, at rated power factor, all assigned by the manufacturer for the specified operating conditions of the transformer.

RATED SECONDARY CURRENT [A]

This is the output current at rated primary voltage and rated frequency, assigned to the transformer by the manufacturer for the specified operating conditions of the transformer

NO-LOAD SECONDARY VOLTAGE [V]

This is theoretical maximum of the output voltage when the transformer is connected to rated supply voltage at rated frequency, with no load on the

RATED FREQUENCY [Hz]

The frequency assigned to the transformer by the manufacturer for the specified operating conditions of the transformer.

RATED POWER [VA]

The specified power levels in this catalogue are the secondary power levels, which means that, they are available when the transformer is loaded. It is the product of the RMS rated secondary voltage and the RMS rated current. If the transformer has more than one output winding, the rated power is defined for rated ambient temperature conditions.

Example: P=4.5VA, ta 40/B

This means that the transformer can deliver 4.5VA at maximum ambient of 40°C. The load consisting of a resistor is defined by: R(load)=U(sec)²/P

and maximum heating of the transformer does not exceed the relevant limit for Class B components used in this construction

NOTE: When the transformer is intended to supply DC voltage and current in conjunction with rectifiers and smoothing capacitors, the VA power required from the transformer is far higher than the U(DC) and I(DC) product. To help you to determine the true transformer power our Technical Department is at your disposal.

AMBIENT TEMPERATURE (ta)

The maximum temperature at which the transformer may be operated continuously under nominal conditions of use. It is the air temperature measured close to the transformer after thermal stabilization when operating at rated conditions.

HEATING (dT)

The increase of the winding temperature when operating at rated conditions and maximum ambient temperature. The heating must be determined by the resistance method.

TEMPERATURE CLASS

The international classification of temperature classes is as follows

Α	105°C	Н	180°C
E	120°C	200	200°C
В	130°C	220	220°C
Е	155°C	250	250°€

It defines the maximum temperature the transformer components must withstand in continuous operation, in compliance with the N° 85 IEC publication classification. There insulating materials are therefore certificated for the thermal index corresponding to the declared class in accordance with N° 216 IEC standard.

CLASSITRANSFORMER

A transformer in which protection against electric shock does not rely on basic insulation only, but which includes an additional safety precaution in such a way that means, such as an earthing terminal, are provided for the connection of accessible conductive parts to the protective earthing conductor in the fixed wiring of the installation, so that accessible conductive parts cannot become live in the event of a failure of the basic insulation. NOTE Class I transformers may have parts with double or reinforced insulation.

CLASS II TRANSFORMER

A transformer in which protection against electric shock does not rely on basic insulation only, but in which additional safety precautions such as double insulation or reinforced insulation are provided, there being no provision for protective earthing or reliance upon installation conditions.

DEGREES OF POLLUTION

For the purpose of evaluating clearances and creepage distances the following degrees of pollution in the micro-environment are established.

POLLUTION DEGREE 1 (P1): No pollution or only dry, non-conductive pollution occurs. The pollution has no influence.

POLLUTION DEGREE 2 (P2): Only nonconductive pollution occurs, except that occasionally a temporary conductivity caused by condensation is to be expected.

NOTE Transformers having a reasonably tight enclosure are considered to have pollution degree 2 (P2), hermetic sealing is not required.

POLLUTION DEGREE 3 (P3): Conductive pollution occurs, or dry nonconductive pollution occurs which becomes conductive due to the condensation which is to be expected.



PCB-Encapsulated Transformer

EI30/5



Approvals:

- Rated power: 0.5VA
- Inherently short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 50°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 40g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Height*	Dia	A ITA Carias
Voltage	٧	Vith Load	No Load	Drop	Power	пеідііі	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	0.083	10.2	70	0.5	15.2	1-5/7-9	4.ITA.E03005.203
230	2 x 6	0.042	2 x 10.2	70	0.5	15.2	1-5/6-7;9-10	4.ITA.E03005.204
230	7.5	0.067	12.8	70	0.5	15.2	1-5/7-9	4.ITA.E03005.205
230	2 x 7.5	0.033	2 x 12.8	70	0.5	15.2	1-5/6-7;9-10	4.ITA.E03005.206
230	9	0.056	15.3	70	0.5	15.2	1-5/7-9	4.ITA.E03005.207
230	2 x 9	0.028	2 x 15.3	70	0.5	15.2	1-5/6-7;9-10	4.ITA.E03005.208
230	12	0.042	20.4	70	0.5	15.2	1-5/7-9	4.ITA.E03005.209
230	2 x 12	0.021	2 x 20.4	70	0.5	15.2	1-5/6-7;9-10	4.ITA.E03005.210
230	15	0.033	25.5	70	0.5	15.2	1-5/7-9	4.ITA.E03005.211
230	2 x 15	0.017	2 x 25.5	70	0.5	15.2	1-5/6-7;9-10	4.ITA.E03005.212
230	18	0.028	30.6	70	0.5	15.2	1-5/7-9	4.ITA.E03005.213
230	2 x 18	0.014	2 x 30.6	70	0.5	15.2	1-5/6-7;9-10	4.ITA.E03005.214
230	21	0.024	35.7	70	0.5	15.2	1-5/7-9	4.ITA.E03005.215
230	2 x 21	0.012	2 x 35.7	70	0.5	15.2	1-5/6-7;9-10	4.ITA.E03005.216

^{*} See Mechanical Data

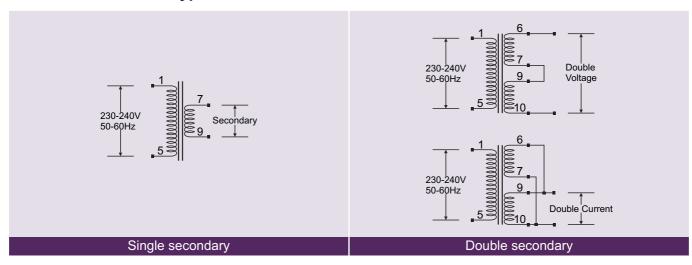
Primary		Secondary Voltage		Voltage	Rated	Height*	Div	ITA Carrian
Voltage	V	Vith Load	No Load	Drop	Power	пеідііі	Pin	ITA Series
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	70	0.5	15.2	1, 5 / 6, 7, 9, 10	9.xxx.E03005.xxx
<600			<400	70	1.5	22.1	1, 5 / 6, 7, 9, 10	9.xxx.E03010.xxx
<600			<400	60	1.9	24.0	1, 5 / 6, 7, 9, 10	9.xxx.E03012.xxx
<600			<400	60	2.1	27.0	1, 5 / 6, 7, 9, 10	9.xxx.E03015.xxx
<600			<400	60	2.3	29.6	1, 5 / 6, 7, 9, 10	9.xxx.E03018.xxx
<600			<400	60	3.0	34.6	1, 5 / 6, 7, 8, 9	9.xxx.E03023.xxx

^{*} See Mechanical Data

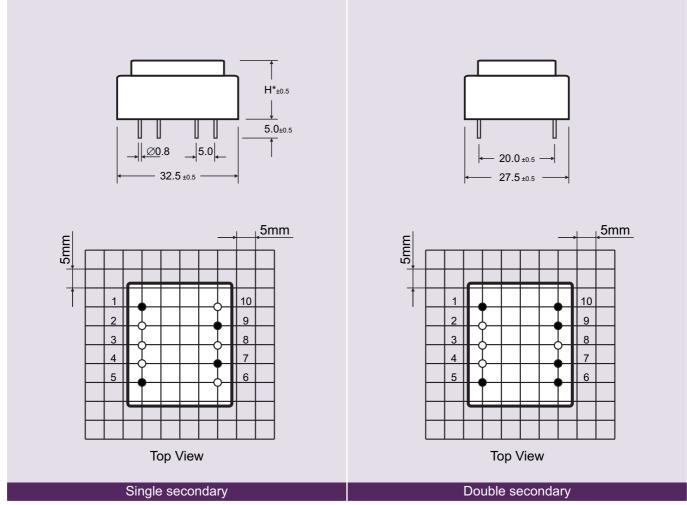


EI30/5

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI30/10



Approvals:

- Rated power: 1.5VA
- Inherently short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 50°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 75g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Height*	Dim	A ITA Carias
Voltage	٧	Vith Load	No Load	Drop	Power	пеідііі	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	0.250	10.2	70	1.5	22.1	1-5/7-9	4.ITA.E03010.203
230	2 x 6	0.125	2 x 10.2	70	1.5	22.1	1-5/6-7;9-10	4.ITA.E03010.204
230	7.5	0.200	12.8	70	1.5	22.1	1-5/7-9	4.ITA.E03010.205
230	2 x 7.5	0.100	2 x 12.8	70	1.5	22.1	1-5/6-7;9-10	4.ITA.E03010.206
230	9	0.167	15.3	70	1.5	22.1	1-5/7-9	4.ITA.E03010.207
230	2 x 9	0.083	2 x 15.3	70	1.5	22.1	1-5/6-7;9-10	4.ITA.E03010.208
230	12	0.125	20.4	70	1.5	22.1	1-5/7-9	4.ITA.E03010.209
230	2 x 12	0.063	2 x 20.4	70	1.5	22.1	1-5/6-7;9-10	4.ITA.E03010.210
230	15	0.100	25.5	70	1.5	22.1	1-5/7-9	4.ITA.E03010.211
230	2 x 15	0.050	2 x 25.5	70	1.5	22.1	1-5/6-7;9-10	4.ITA.E03010.212
230	18	0.083	30.6	70	1.5	22.1	1-5/7-9	4.ITA.E03010.213
230	2 x 18	0.042	2 x 30.6	70	1.5	22.1	1-5/6-7;9-10	4.ITA.E03010.214
230	21	0.071	35.7	70	1.5	22.1	1-5/7-9	4.ITA.E03010.215
230	2 x 21	0.036	2 x 35.7	70	1.5	22.1	1-5/6-7;9-10	4.ITA.E03010.216

^{*} See Mechanical Data

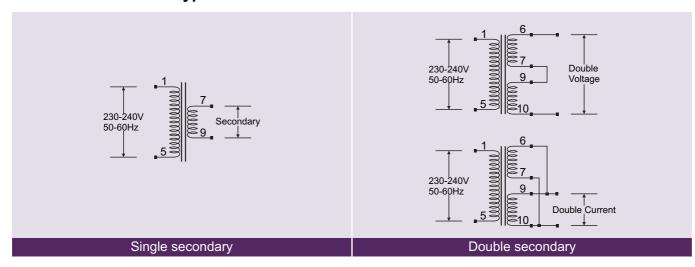
Primary		Secondary Voltage		Voltage	Rated	Height*	Div	ITA Carrian
Voltage	V	Vith Load	No Load	Drop	Power	пеідііі	Pin	ITA Series
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	70	0.5	15.2	1, 5 / 6, 7, 9, 10	9.xxx.E03005.xxx
<600			<400	70	1.5	22.1	1, 5 / 6, 7, 9, 10	9.xxx.E03010.xxx
<600			<400	60	1.9	24.0	1, 5 / 6, 7, 9, 10	9.xxx.E03012.xxx
<600			<400	60	2.1	27.0	1, 5 / 6, 7, 9, 10	9.xxx.E03015.xxx
<600			<400	60	2.3	29.6	1, 5 / 6, 7, 9, 10	9.xxx.E03018.xxx
<600			<400	60	3.0	34.6	1, 5 / 6, 7, 8, 9	9.xxx.E03023.xxx

^{*} See Mechanical Data

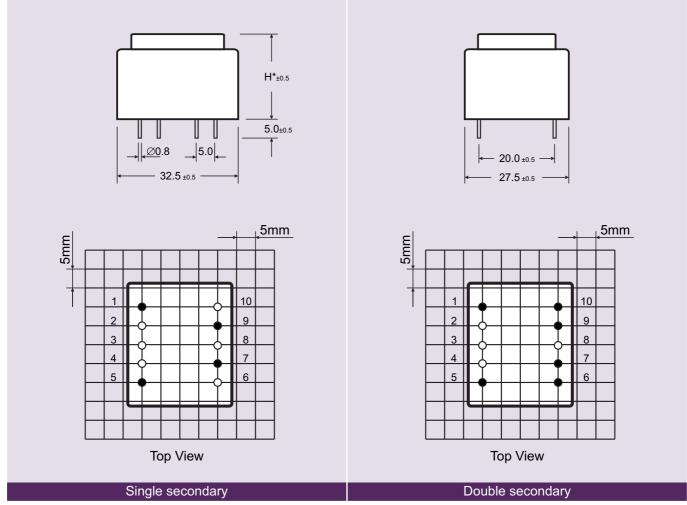


EI30/10

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI30/12



Approvals:

- Rated power: 1.9VA
- Inherently short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 50°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 85g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Height*	B.'	AITA Oprica
Voltage	ν	Vith Load	No Load	Drop	Power	пеідііі	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	0.317	9.6	60	1.9	24.0	1-5/7-9	4.ITA.E03012.203
230	2 x 6	0.158	2 x 9.6	60	1.9	24.0	1-5/6-7;9-10	4.ITA.E03012.204
230	7.5	0.253	12.0	60	1.9	24.0	1-5/7-9	4.ITA.E03012.205
230	2 x 7.5	0.127	2 x 12.0	60	1.9	24.0	1-5/6-7;9-10	4.ITA.E03012.206
230	9	0.211	14.4	60	1.9	24.0	1-5/7-9	4.ITA.E03012.207
230	2 x 9	0.106	2 x 14.4	60	1.9	24.0	1-5/6-7;9-10	4.ITA.E03012.208
230	12	0.158	19.2	60	1.9	24.0	1-5/7-9	4.ITA.E03012.209
230	2 x 12	0.079	2 x 19.2	60	1.9	24.0	1-5/6-7;9-10	4.ITA.E03012.210
230	15	0.127	24.0	60	1.9	24.0	1-5/7-9	4.ITA.E03012.211
230	2 x 15	0.063	2 x 24.0	60	1.9	24.0	1-5/6-7;9-10	4.ITA.E03012.212
230	18	0.106	28.8	60	1.9	24.0	1-5/7-9	4.ITA.E03012.213
230	2 x 18	0.053	2 x 28.8	60	1.9	24.0	1-5/6-7;9-10	4.ITA.E03012.214
230	21	0.090	33.6	60	1.9	24.0	1-5/7-9	4.ITA.E03012.215
230	2 x 21	0.045	2 x 33.6	60	1.9	24.0	1-5/6-7;9-10	4.ITA.E03012.216

^{*} See Mechanical Data

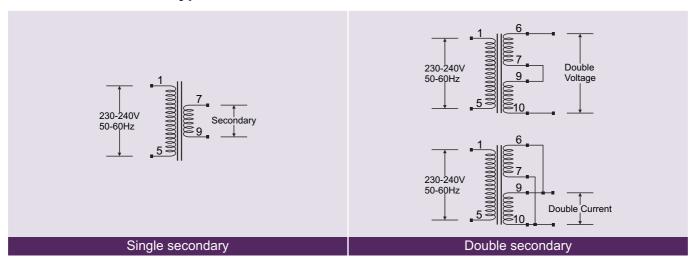
Primary		Secondary V	oltage	Voltage	Rated	Height*	Di-	ITA Carrian
Voltage	V	Vith Load	No Load	Drop	Power	пеідііі	Pin	ITA Series
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	70	0.5	15.2	1, 5 / 6, 7, 9, 10	9.xxx.E03005.xxx
<600			<400	70	1.5	22.1	1, 5 / 6, 7, 9, 10	9.xxx.E03010.xxx
<600			<400	60	1.9	24.0	1, 5 / 6, 7, 9, 10	9.xxx.E03012.xxx
<600			<400	60	2.1	27.0	1, 5 / 6, 7, 9, 10	9.xxx.E03015.xxx
<600			<400	60	2.3	29.6	1, 5 / 6, 7, 9, 10	9.xxx.E03018.xxx
<600			<400	60	3.0	34.6	1, 5 / 6, 7, 8, 9	9.xxx.E03023.xxx

^{*} See Mechanical Data

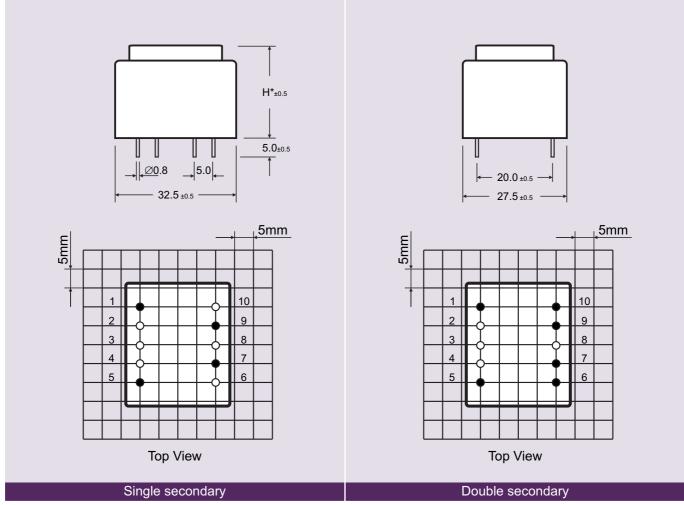


EI30/12

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI30/15



Approvals:

- Rated power: 2.1VA
- Inherently short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 50°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 95g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Height*	Dia	4 ITA Carias
Voltage	٧	Vith Load	No Load	Drop	Power	пеідііі	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	0.350	9.6	60	2.1	27.0	1-5/7-9	4.ITA.E03015.203
230	2 x 6	0.175	2 x 9.6	60	2.1	27.0	1-5/6-7;9-10	4.ITA.E03015.204
230	7.5	0.280	12.0	60	2.1	27.0	1-5/7-9	4.ITA.E03015.205
230	2 x 7.5	0.140	2 x 12.0	60	2.1	27.0	1-5/6-7;9-10	4.ITA.E03015.206
230	9	0.233	14.4	60	2.1	27.0	1-5/7-9	4.ITA.E03015.207
230	2 x 9	0.117	2 x 14.4	60	2.1	27.0	1-5/6-7;9-10	4.ITA.E03015.208
230	12	0.175	19.2	60	2.1	27.0	1-5/7-9	4.ITA.E03015.209
230	2 x 12	0.088	2 x 19.2	60	2.1	27.0	1-5/6-7;9-10	4.ITA.E03015.210
230	15	0.140	24.0	60	2.1	27.0	1-5/7-9	4.ITA.E03015.211
230	2 x 15	0.070	2 x 24.0	60	2.1	27.0	1-5/6-7;9-10	4.ITA.E03015.212
230	18	0.117	28.8	60	2.1	27.0	1-5/7-9	4.ITA.E03015.213
230	2 x 18	0.058	2 x 28.8	60	2.1	27.0	1-5/6-7;9-10	4.ITA.E03015.214
230	21	0.100	33.6	60	2.1	27.0	1-5/7-9	4.ITA.E03015.215
230	2 x 21	0.050	2 x 33.6	60	2.1	27.0	1-5/6-7;9-10	4.ITA.E03015.216

^{*} See Mechanical Data

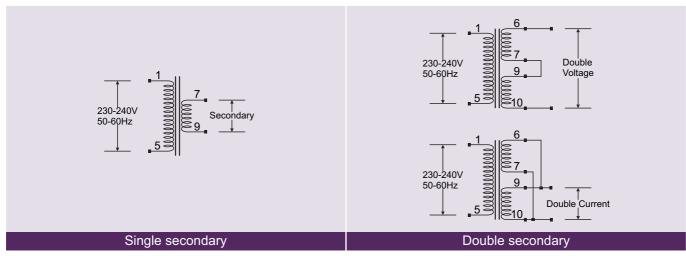
Primary		Secondary Voltage		Voltage	Rated	Height*	Div	ITA Carrian
Voltage	V	Vith Load	No Load	Drop	Power	пеідііі	Pin	ITA Series
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	70	0.5	15.2	1, 5 / 6, 7, 9, 10	9.xxx.E03005.xxx
<600			<400	70	1.5	22.1	1, 5 / 6, 7, 9, 10	9.xxx.E03010.xxx
<600			<400	60	1.9	24.0	1, 5 / 6, 7, 9, 10	9.xxx.E03012.xxx
<600			<400	60	2.1	27.0	1, 5 / 6, 7, 9, 10	9.xxx.E03015.xxx
<600			<400	60	2.3	29.6	1, 5 / 6, 7, 9, 10	9.xxx.E03018.xxx
<600			<400	60	3.0	34.6	1, 5 / 6, 7, 8, 9	9.xxx.E03023.xxx

^{*} See Mechanical Data

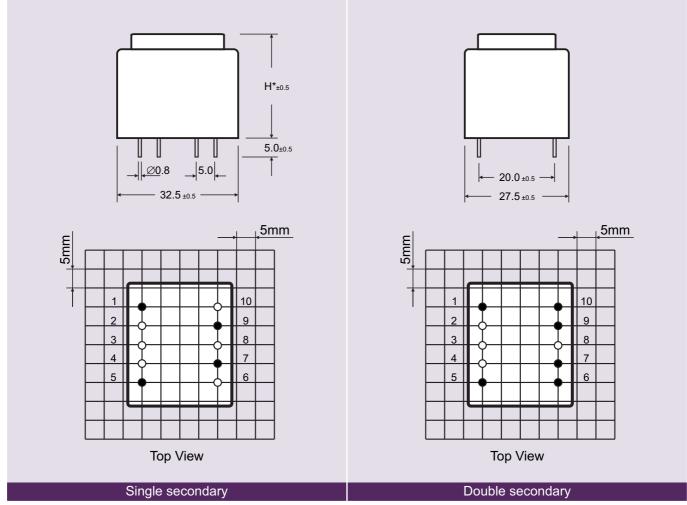


EI30/15

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI30/18



Approvals:

- Rated power: 2.3VA
- Inherently short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 50°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 115g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Height*	Pin	4.ITA Series
Voltage	٧	Vith Load	No Load	Drop	Power	Height	PIII	4.IIA Selles
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	0.383	9.6	60	2.3	29.6	1-5/7-9	4.ITA.E03018.203
230	2 x 6	0.192	2 x 9.6	60	2.3	29.6	1-5/6-7;9-10	4.ITA.E03018.204
230	7.5	0.307	12.0	60	2.3	29.6	1-5/7-9	4.ITA.E03018.205
230	2 x 7.5	0.153	2 x 12.0	60	2.3	29.6	1-5/6-7;9-10	4.ITA.E03018.206
230	9	0.256	14.4	60	2.3	29.6	1-5/7-9	4.ITA.E03018.207
230	2 x 9	0.128	2 x 14.4	60	2.3	29.6	1-5/6-7;9-10	4.ITA.E03018.208
230	12	0.192	19.2	60	2.3	29.6	1-5/7-9	4.ITA.E03018.209
230	2 x 12	0.096	2 x 19.2	60	2.3	29.6	1-5/6-7;9-10	4.ITA.E03018.210
230	15	0.153	24.0	60	2.3	29.6	1-5/7-9	4.ITA.E03018.211
230	2 x 15	0.077	2 x 24.0	60	2.3	29.6	1-5/6-7;9-10	4.ITA.E03018.212
230	18	0.128	28.8	60	2.3	29.6	1-5/7-9	4.ITA.E03018.213
230	2 x 18	0.064	2 x 28.8	60	2.3	29.6	1-5/6-7;9-10	4.ITA.E03018.214
230	21	0.110	33.6	60	2.3	29.6	1-5/7-9	4.ITA.E03018.215
230	2 x 21	0.055	2 x 33.6	60	2.3	29.6	1-5/6-7;9-10	4.ITA.E03018.216

^{*} See Mechanical Data

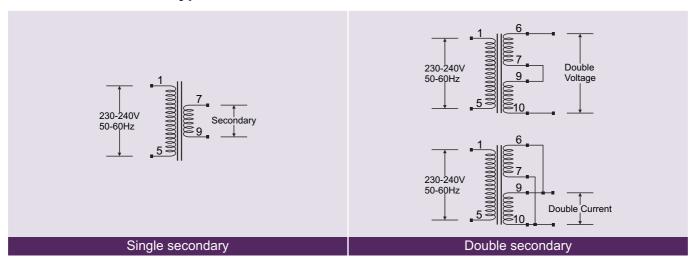
Primary		Secondary Voltage		Voltage	Rated	Height*	Div	ITA Carrian
Voltage	V	Vith Load	No Load	Drop	Power	пеідііі	Pin	ITA Series
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	70	0.5	15.2	1, 5 / 6, 7, 9, 10	9.xxx.E03005.xxx
<600			<400	70	1.5	22.1	1, 5 / 6, 7, 9, 10	9.xxx.E03010.xxx
<600			<400	60	1.9	24.0	1, 5 / 6, 7, 9, 10	9.xxx.E03012.xxx
<600			<400	60	2.1	27.0	1, 5 / 6, 7, 9, 10	9.xxx.E03015.xxx
<600			<400	60	2.3	29.6	1, 5 / 6, 7, 9, 10	9.xxx.E03018.xxx
<600			<400	60	3.0	34.6	1, 5 / 6, 7, 8, 9	9.xxx.E03023.xxx

^{*} See Mechanical Data

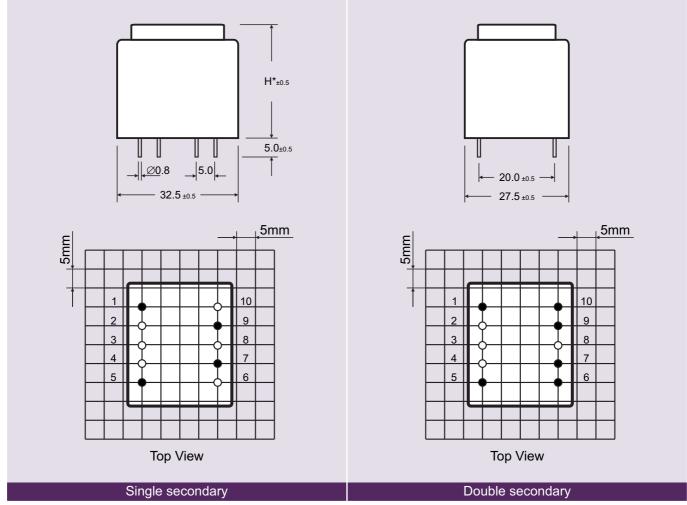


EI30/18

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI30/23



Approvals:

- Rated power: 3.0VA
- Non short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 50°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 140g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Height*	Din	A ITA Corios
Voltage	٧	Vith Load	No Load	Drop	Power	пеідііі	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	0.500	9.6	60	3.0	34.6	1-5/7-9	4.ITA.E03023.203
230	2 x 6	0.250	2 x 9.6	60	3.0	34.6	1-5/6-7;9-10	4.ITA.E03023.204
230	7.5	0.400	12.0	60	3.0	34.6	1-5/7-9	4.ITA.E03023.205
230	2 x 7.5	0.200	2 x 12.0	60	3.0	34.6	1-5/6-7;9-10	4.ITA.E03023.206
230	9	0.333	14.4	60	3.0	34.6	1-5/7-9	4.ITA.E03023.207
230	2 x 9	0.167	2 x 14.4	60	3.0	34.6	1-5/6-7;9-10	4.ITA.E03023.208
230	12	0.250	19.2	60	3.0	34.6	1-5/7-9	4.ITA.E03023.209
230	2 x 12	0.125	2 x 19.2	60	3.0	34.6	1-5/6-7;9-10	4.ITA.E03023.210
230	15	0.200	24.0	60	3.0	34.6	1-5/7-9	4.ITA.E03023.211
230	2 x 15	0.100	2 x 24.0	60	3.0	34.6	1-5/6-7;9-10	4.ITA.E03023.212
230	18	0.167	28.8	60	3.0	34.6	1-5/7-9	4.ITA.E03023.213
230	2 x 18	0.083	2 x 28.8	60	3.0	34.6	1-5/6-7;9-10	4.ITA.E03023.214
230	21	0.143	33.6	60	3.0	34.6	1-5/7-9	4.ITA.E03023.215
230	2 x 21	0.071	2 x 33.6	60	3.0	34.6	1-5/6-7;9-10	4.ITA.E03023.216

^{*} See Mechanical Data

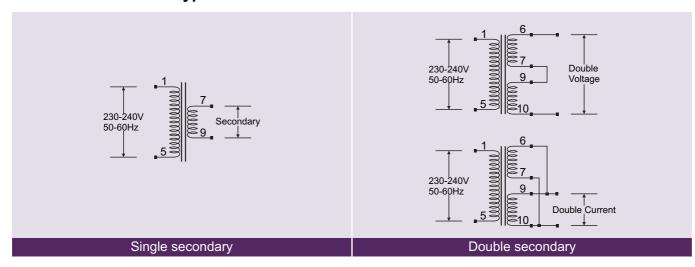
Primary	rimary Sec		Secondary Voltage		Rated	Height*	Div	ITA Carrian
Voltage	V	Vith Load	No Load	ad Drop Power Height		пеідііі	Pin	ITA Series
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	70	0.5	15.2	1, 5 / 6, 7, 9, 10	9.xxx.E03005.xxx
<600			<400	70	1.5	22.1	1, 5 / 6, 7, 9, 10	9.xxx.E03010.xxx
<600			<400	60	1.9	24.0	1, 5 / 6, 7, 9, 10	9.xxx.E03012.xxx
<600			<400	60	2.1	27.0	1, 5 / 6, 7, 9, 10	9.xxx.E03015.xxx
<600			<400	60	2.3	29.6	1, 5 / 6, 7, 9, 10	9.xxx.E03018.xxx
<600			<400	60	3.0	34.6	1, 5 / 6, 7, 8, 9	9.xxx.E03023.xxx

^{*} See Mechanical Data

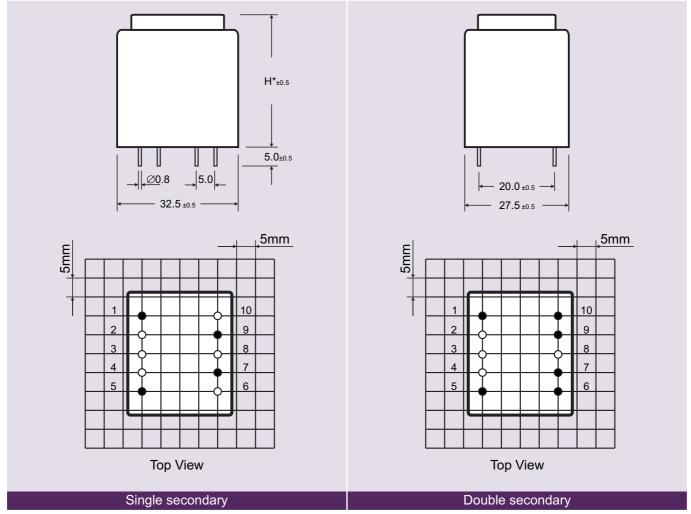


EI30/23

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI38/13



Approvals:

- Rated power: 4.5VA
- Non short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 70°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 150g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Llaimht*	D'	AITA Ossiss
Voltage	V	Vith Load	No Load	Drop	Power	Height*	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	0.750	9.0	50	4.5	27.2	1-5/7-9	4.ITA.E03813.203
230	2 x 6	0.375	2 x 9.0	50	4.5	27.2	1-5/6-7;9-10	4.ITA.E03813.204
230	7.5	0.600	11.3	50	4.5	27.2	1-5/7-9	4.ITA.E03813.205
230	2 x 7.5	0.300	2 x 11.3	50	4.5	27.2	1-5/6-7;9-10	4.ITA.E03813.206
230	9	0.500	13.5	50	4.5	27.2	1-5/7-9	4.ITA.E03813.207
230	2 x 9	0.250	2 x 13.5	50	4.5	27.2	1-5/6-7;9-10	4.ITA.E03813.208
230	12	0.375	18.0	50	4.5	27.2	1-5/7-9	4.ITA.E03813.209
230	2 x 12	0.188	2 x 18.0	50	4.5	27.2	1-5/6-7;9-10	4.ITA.E03813.210
230	15	0.300	22.5	50	4.5	27.2	1-5/7-9	4.ITA.E03813.211
230	2 x 15	0.150	2 x 22.5	50	4.5	27.2	1-5/6-7;9-10	4.ITA.E03813.212
230	18	0.250	27.0	50	4.5	27.2	1-5/7-9	4.ITA.E03813.213
230	2 x 18	0.125	2 x 27.0	50	4.5	27.2	1-5/6-7;9-10	4.ITA.E03813.214
230	21	0.214	31.5	50	4.5	27.2	1-5/7-9	4.ITA.E03813.215
230	2 x 21	0.107	2 x 31.5	50	4.5	27.2	1-5/6-7;9-10	4.ITA.E03813.216

^{*} See Mechanical Data

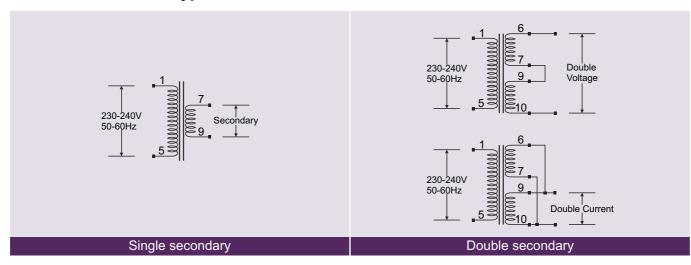
Primary		Secondary Vo	oltage	Voltage	Rated	d Height*	Pin	ITA Series
Voltage	With Load		No Load	Drop	Power	Height	F	TIA Selles
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	50	4.5	27.2	1, 5 / 6, 7, 9, 10	9.xxx.E03813.xxx
<600			<400	50	5.5	29.2	1, 5 / 6, 7, 9, 10	9.xxx.E03815.xxx
<600			<400	55	6.0	34.2	1, 5 / 6, 7, 9, 10	9.xxx.E03820.xxx

^{*} See Mechanical Data

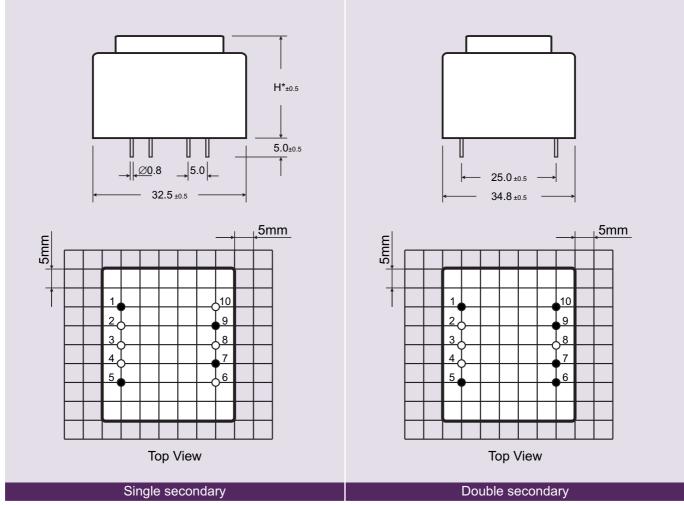


EI38/13

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI42/14



Approvals:

- Rated power: 6.0VA
- Non short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 70°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 205g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Height*	Dia.	A ITA Carias
Voltage	ν	Vith Load	No Load	Drop	Power	пеідііі	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	1.000	8.4	40	6.0	31.7	1-6/8-11	4.ITA.E04214.203
230	2 x 6	0.500	2 x 8.4	40	6.0	31.7	1-6/7-8;11-12	4.ITA.E04214.204
230	7.5	0.800	10.5	40	6.0	31.7	1-6/8-11	4.ITA.E04214.205
230	2 x 7.5	0.400	2 x 10.5	40	6.0	31.7	1-6/7-8;11-12	4.ITA.E04214.206
230	9	0.667	12.6	40	6.0	31.7	1-6/8-11	4.ITA.E04214.207
230	2 x 9	0.333	2 x 12.6	40	6.0	31.7	1-6/7-8;11-12	4.ITA.E04214.208
230	12	0.500	16.8	40	6.0	31.7	1-6/8-11	4.ITA.E04214.209
230	2 x 12	0.250	2 x 16.8	40	6.0	31.7	1-6/7-8;11-12	4.ITA.E04214.210
230	15	0.400	21.0	40	6.0	31.7	1-6/8-11	4.ITA.E04214.211
230	2 x 15	0.200	2 x 21.0	40	6.0	31.7	1-6/7-8;11-12	4.ITA.E04214.212
230	18	0.333	25.2	40	6.0	31.7	1-6/8-11	4.ITA.E04214.213
230	2 x 18	0.167	2 x 25.2	40	6.0	31.7	1-6/7-8;11-12	4.ITA.E04214.214
230	21	0.286	29.4	40	6.0	31.7	1-6/8-11	4.ITA.E04214.215
230	2 x 21	0.143	2 x 29.4	40	6.0	31.7	1-6/7-8;11-12	4.ITA.E04214.216

^{*} See Mechanical Data

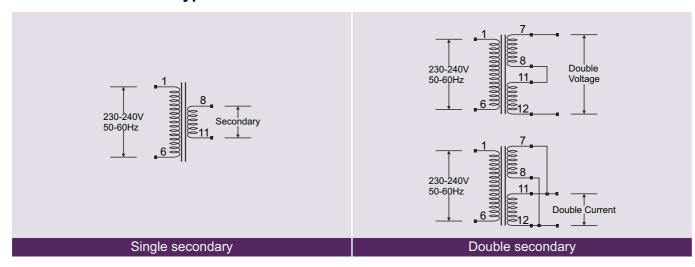
Primary		Secondary V	oltage	ge Voltage Rated Heigh		Height*	Pin	ITA Series
Voltage	٧	Vith Load	No Load	Drop	Power	Height	PIII	TIA Series
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	40	6.0	31.7	1, 6 / 7, 8, 11, 12	9.xxx.E04214.xxx
<600			<400	50	10.0	37.2	1, 6 / 7, 8, 11, 12	9.xxx.E04220.xxx

^{*} See Mechanical Data

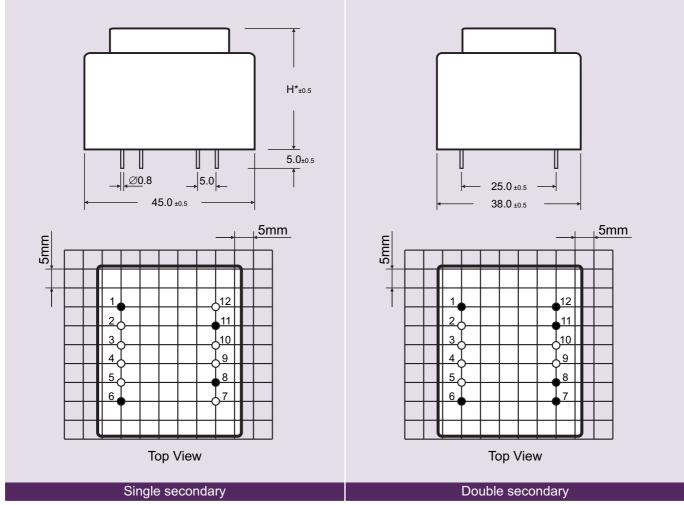


EI42/14

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI48/16



Approvals:

• Rated power: 10.0VA

- Non short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 70°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 300g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Height*	D'	AITA Oprica
Voltage	٧	Vith Load	No Load	Drop	Power	пеідііі	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	1.667	7.5	25	10	36.8	1-6/8-11	4.ITA.E04816.203
230	2 x 6	0.833	2 x 7.5	25	10	36.8	1-6/7-8;11-12	4.ITA.E04816.204
230	7.5	1.333	9.4	25	10	36.8	1-6/8-11	4.ITA.E04816.205
230	2 x 7.5	0.667	2 x 9.4	25	10	36.8	1-6/7-8;11-12	4.ITA.E04816.206
230	9	1.111	11.3	25	10	36.8	1-6/8-11	4.ITA.E04816.207
230	2 x 9	0.556	2 x 11.3	25	10	36.8	1-6/7-8;11-12	4.ITA.E04816.208
230	12	0.833	15.0	25	10	36.8	1-6/8-11	4.ITA.E04816.209
230	2 x 12	0.417	2 x 15.0	25	10	36.8	1-6/7-8;11-12	4.ITA.E04816.210
230	15	0.667	18.8	25	10	36.8	1-6/8-11	4.ITA.E04816.211
230	2 x 15	0.333	2 x 18.8	25	10	36.8	1-6/7-8;11-12	4.ITA.E04816.212
230	18	0.556	22.5	25	10	36.8	1-6/8-11	4.ITA.E04816.213
230	2 x 18	0.278	2 x 22.5	25	10	36.8	1-6/7-8;11-12	4.ITA.E04816.214
230	21	0.476	26.3	25	10	36.8	1-6/8-11	4.ITA.E04816.215
230	2 x 21	0.238	2 x 26.3	25	10	36.8	1-6/7-8;11-12	4.ITA.E04816.216

^{*} See Mechanical Data

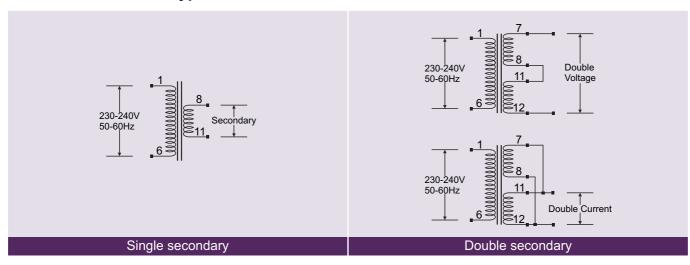
Primary		Secondary Vo	oltage	Voltage	Rated	ted Height*	Pin	ITA Series
Voltage	With Load		No Load	Drop	Power	rioigiit	Pin	TIA Selles
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	25	10.0	36.8	1, 6 / 7, 8, 11, 12	9.xxx.E04816.xxx
<600			<400	40	12.0	40.5	1, 6 / 7, 8, 11, 12	9.xxx.E04820.xxx
<600			<400	40	14.0	45.5	1, 6 / 7, 8, 11, 12	9.xxx.E04825.xxx

^{*} See Mechanical Data

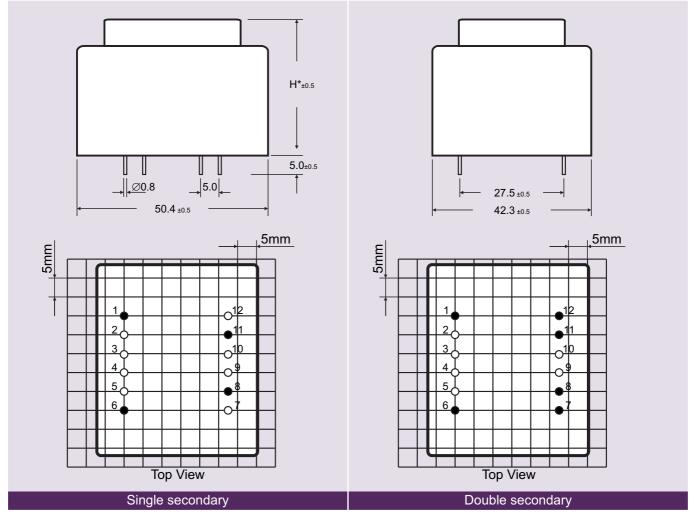


EI48/16

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



EI54/18



Approvals:

- Rated power: 16.0VA
- Non short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 70°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life features
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 400g



Electrical Data:

Primary	Secondary Vo		oltage	Voltage	Rated	Height*	Pin	4.ITA Series
Voltage	V	Vith Load	No Load	Drop	Power	Height	PIII	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	2.667	7.8	30	16	40.0	1-7/9-13	4.ITA.E05418.203
230	2 x 6	1.333	2 x 7.8	30	16	40.0	1-7/8-9;13-14	4.ITA.E05418.204
230	7.5	2.133	9.8	30	16	40.0	1-7/9-13	4.ITA.E05418.205
230	2 x 7.5	1.067	2 x 9.8	30	16	40.0	1-7/8-9;13-14	4.ITA.E05418.206
230	9	1.778	11.7	30	16	40.0	1-7/9-13	4.ITA.E05418.207
230	2 x 9	0.889	2 x 11.7	30	16	40.0	1-7/8-9;13-14	4.ITA.E05418.208
230	12	1.333	15.6	30	16	40.0	1-7/9-13	4.ITA.E05418.209
230	2 x 12	0.667	2 x 15.6	30	16	40.0	1-7/8-9;13-14	4.ITA.E05418.210
230	15	1.067	19.5	30	16	40.0	1-7/9-13	4.ITA.E05418.211
230	2 x 15	0.533	2 x 19.5	30	16	40.0	1-7/8-9;13-14	4.ITA.E05418.212
230	18	0.889	23.4	30	16	40.0	1-7/9-13	4.ITA.E05418.213
230	2 x 18	0.444	2 x 23.4	30	16	40.0	1-7/8-9;13-14	4.ITA.E05418.214
230	21	0.762	27.3	30	16	40.0	1-7/9-13	4.ITA.E05418.215
230	2 x 21	0.381	2 x 27.3	30	16	40.0	1-7/8-9;13-14	4.ITA.E05418.216

^{*} See Mechanical Data

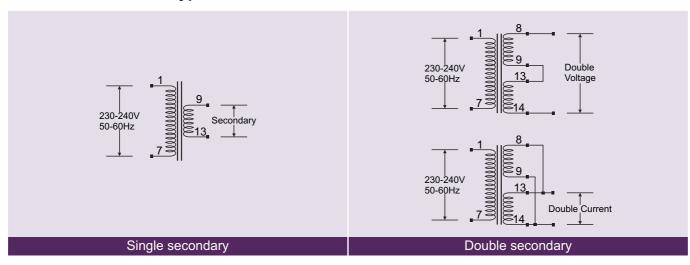
Primary		Secondary Vo	oltage	Voltage	oltage Rated Height*		Pin	ITA Series
Voltage	With Load		No Load	Drop	Power	ricigiit	7	TIA Selles
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	30	16	40.0	1, 7 / 8, 9,13,14	9.xxx.E05418.xxx
<600			<400	30	18	43.0	1, 7 / 8, 9,13,14	9.xxx.E05420.xxx
<600			<400	30	20	45.0	1, 7 / 8, 9,13,14	9.xxx.E05423.xxx

^{*} See Mechanical Data

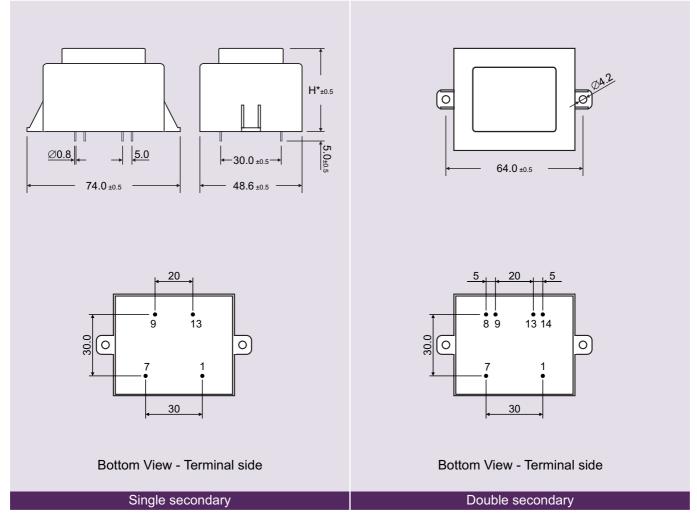


EI54/18

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.



PCB-Encapsulated Transformer

EI60/20



Approvals:

- Rated power: 20.0VA
- Non short-circuit proof safety isolating transformer
- Vacuum filling
- Two compartments bobbin
- Protection: Class II transformer
- Ambient temperature 70°C
- Temperature Class B
- Self-extinguishing resin UL94V0
- Degree of protection IP00
- Insulation voltage test 4kV
- High electrical safety and long service-life
- In compliance with: EN61558-1, EN61558-2-6
- Weight: 600g



Electrical Data:

Primary		Secondary V	oltage	Voltage	Rated	Llaimht*	D'	A ITA O color
Voltage	V	/ith Load	No Load	Drop	Power	Height*	Pin	4.ITA Series
[V]	[V]	@ [A]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
230	6	3.333	7.2	20	20	44.5	1-7/9-13	4.ITA.E06020.203
230	2 x 6	1.667	2 x 7.2	20	20	44.5	1-7/8-9;13-14	4.ITA.E06020.204
230	7.5	2.667	9.0	20	20	44.5	1-7/9-13	4.ITA.E06020.205
230	2 x 7.5	1.333	2 x 9.0	20	20	44.5	1-7/8-9;13-14	4.ITA.E06020.206
230	9	2.222	10.8	20	20	44.5	1-7/9-13	4.ITA.E06020.207
230	2 x 9	1.111	2 x 10.8	20	20	44.5	1-7/8-9;13-14	4.ITA.E06020.208
230	12	1.667	14.4	20	20	44.5	1-7/9-13	4.ITA.E06020.209
230	2 x 12	0.833	2 x 14.4	20	20	44.5	1-7/8-9;13-14	4.ITA.E06020.210
230	15	1.333	18.0	20	20	44.5	1-7/9-13	4.ITA.E06020.211
230	2 x 15	0.667	2 x 18.0	20	20	44.5	1-7/8-9;13-14	4.ITA.E06020.212
230	18	1.111	21.6	20	20	44.5	1-7/9-13	4.ITA.E06020.213
230	2 x 18	0.556	2 x 21.6	20	20	44.5	1-7/8-9;13-14	4.ITA.E06020.214
230	21	0.952	25.2	20	20	44.5	1-7/9-13	4.ITA.E06020.215
230	2 x 21	0.476	2 x 25.2	20	20	44.5	1-7/8-9;13-14	4.ITA.E06020.216

^{*} See Mechanical Data

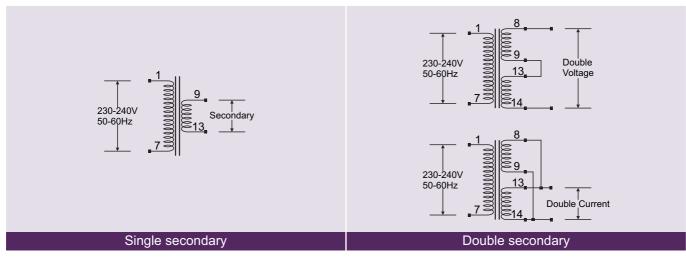
Primary		Secondary Vo	oltage	Voltage	Rated	Height*	Pin	ITA Series
Voltage	With Load		No Load	Drop	Power	Height	F	TIA Selles
[V]	[V]	@ [mA]	[V]	[%]	[VA]	H* [mm]	[Prim / Sec]	Order code
<600			<400	20	20	44.5	1, 7 / 8, 9,13,14	9.xxx.E06020.xxx
<600			<400	20	28	49.0	1, 7 / 8, 9,13,14	9.xxx.E06025.xxx
<600			<400	20	30	54.0	1, 7 / 8, 9,13,14	9.xxx.E06030.xxx

^{*} See Mechanical Data

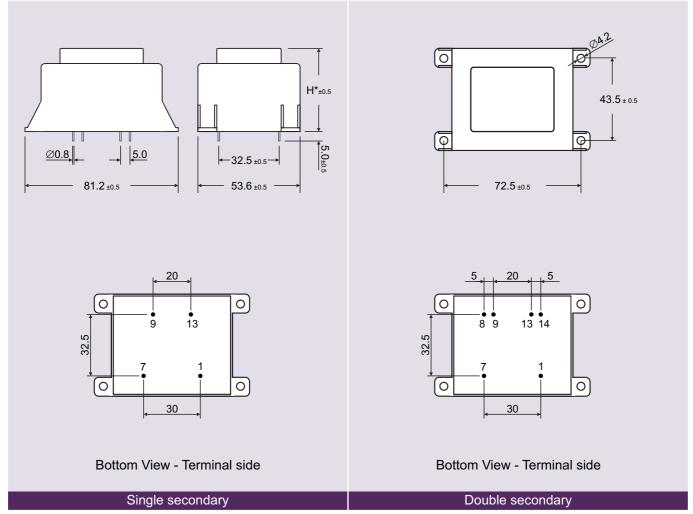


EI60/20

Possible Connection Types:



Mechanical Data:



^{*}Transformer height is given in table with Electrical Data

Several hundreds of types provide high electrical safety and long service-life for printed circuit boards, household appliances, leisure electronics, heating and control technology as well as in assembly techniques.