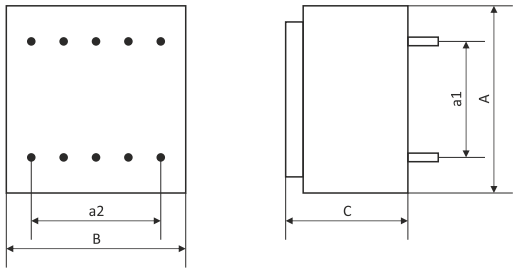
TEZ

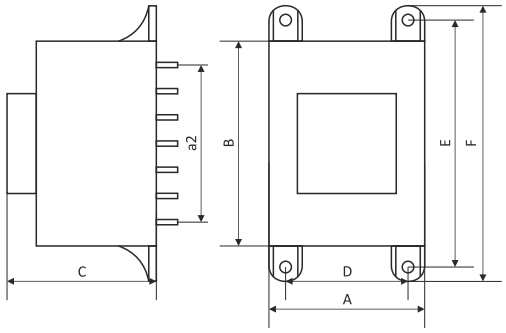
Transformers for PCB



TEZ 0,5 - 16



TEZ 20 - 50



Pin spacing on the page 2.

Rated power: **0,5 - 50VA**
Rated voltage PRI: **24 - 500V 50/60Hz**
Rated volatge SEC: **6 - 500V**

Transformers for printed circuit boards designed mainly for building into power supply systems of electronic devices. They feature small dimensions, compact build and increased resistance for mechanical and climate factors (cast resin). The transformers are made at IP00 protection grade, maximum ambient temperature 40°C or 60°C, thermal class of insulation B (130°C). Manufactured in compliance with EN61558-2-1, EN61558-2-4, EN61558-2-6.

BREVE received the **ENEC certificate** for TEZ transformers with the following parameters:

Rated power: **0,5 - 50VA**
Rated voltage PRI: **24V - 400V** (TEZ 0,5 - 1,5VA: **24V - 230V**)
No load volatege SEC: **<50V**
Short circuit resistance for TEZ 0,5 - 3,0VA.

For TEZ 4,0/D and TEZ 6,0/D products BREVE also received the **VDE certificate**:

Rated power: **4VA and 6VA**
Rated voltage PRI: **24V - 400V**
No load volatege SEC: **<50V**
Non-resistant and safety.

*High version.
*Tolerance ± 0,4mm.

Type	Core type	Power	ta	Dimensions [mm]*								Weight [kg]
		[VA]	[°C]	A	B	C	a1	a2	D	E	F	
TEZ 0,5/D	EE20	0,5	60	22	24	19	15	15	-	-	-	0,036
TEZ 0,51/D	EI30	0,5	60	28	33	15	15	15	-	-	-	0,044
TEZ 1,0/D	EI30	1,0	60	28	33	22	20	20	-	-	-	0,07
TEZ 1,5/D	EI30	1,5	60	28	33	22	20	20	-	-	-	0,07
TEZ 1,5/X*	EI30	1,5	60	28	33	24	20	20	-	-	-	0,09
TEZ 1,8/D	EI30	1,8	40	28	33	22	20	20	-	-	-	0,07
TEZ 1,8/D	EI30	1,8	40	28	33	24	20	20	-	-	-	0,09
TEZ 2,0/D	EI30	2,0	60	28	33	24	20	20	-	-	-	0,09
TEZ 2,3/D	EI30	2,3	40	28	33	24	20	20	-	-	-	0,09
TEZ 2,3/D	EI30	2,3	60	28	33	30	20	20	-	-	-	0,12
TEZ 2,5/D	EI30	2,5	40	28	33	27	20	20	-	-	-	0,10
TEZ 2,6/D	EI30	2,5	60	28	33	30	20	20	-	-	-	0,12
TEZ 3,0/D	EI30	3,0	40	28	33	30	20	20	-	-	-	0,12
TEZ 4,0/D	EI38	4,0	60	35	42	29	25	20	-	-	-	0,15
TEZ 4,5/D	EI38	4,5	60	35	42	29	25	20	-	-	-	0,15
TEZ 6,0/D	EI42	6,0	60	38	45	32	25	25	-	-	-	0,20
TEZ 10,0/D	EI48	10,0	60	44	52	35	27,5	25	-	-	-	0,28
TEZ 15,0/D	EI48	15,0	60	44	52	41,5	27,5	25	-	-	-	0,35
TEZ 16,0/D	EI54	16,0	60	47	57	39	30	30	-	-	-	0,42
TEZ 20,0/D	EI60	20,0	60	53,8	63,6	47,2	32,5	30	43,5	72,5	81,7	0,60
TEZ 22,0/D	EI54	22,0	60	47,3	56,4	47,4	30	30	37,5	65	74	0,55
TEZ 25,0/D	EI60	25,0	60	53,8	63,6	51,5	32,5	30	43,5	72,5	81,7	0,70
TEZ 30,0/D	EI60	30,0	60	53,8	63,6	56,5	32,5	30	43,5	72,5	81,7	0,80
TEZ 40,0/D	EI66	40,0	60	61	70	50	35	35	47,5	77,5	88	0,80
TEZ 50,0/D	EI66	50,0	60	61	70	61	35	35	47,5	77,5	88	1,00

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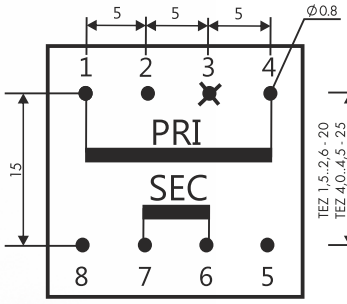
Transformers for PCB

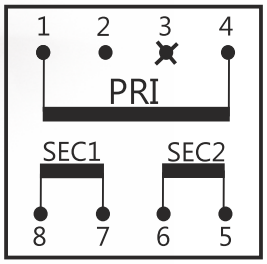
Pin spacing for individual types of TEZ transformers:



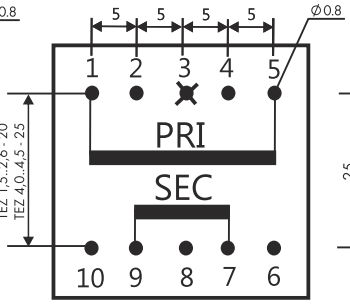
Example of identification of pinouts order based on TEZ 10.

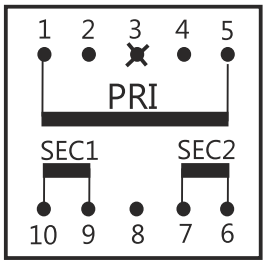
TEZ 0,5



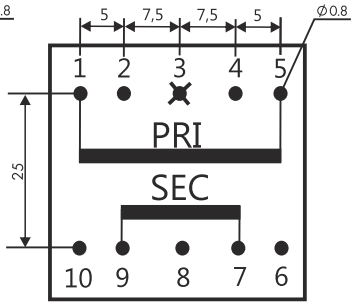


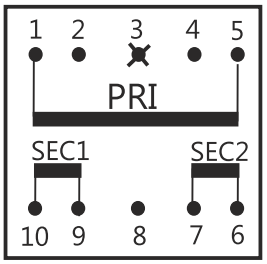
TEZ 0,51 - 4,5



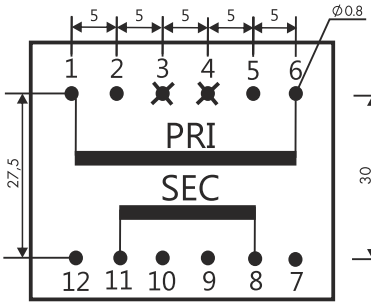


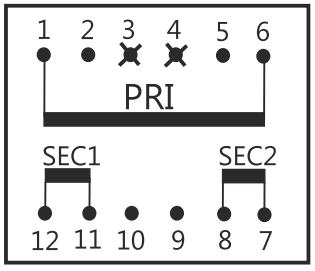
TEZ 6,0



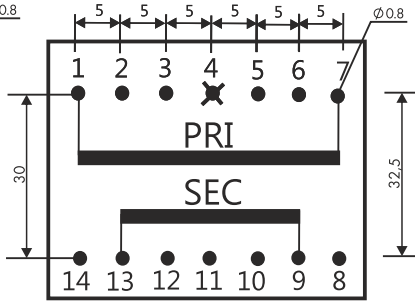


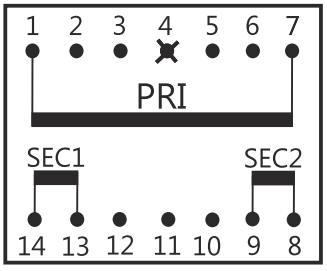
TEZ 10; 15



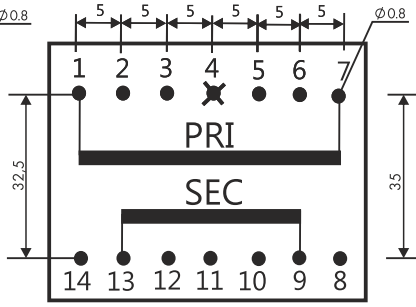


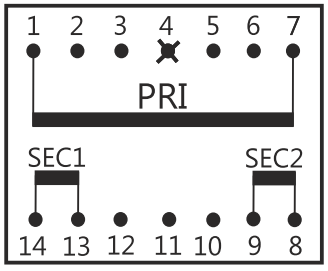
TEZ 16



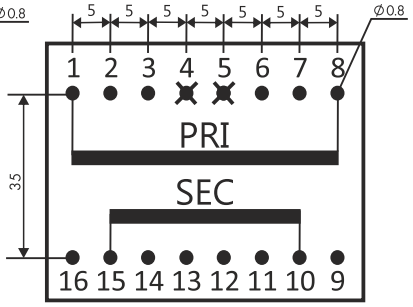


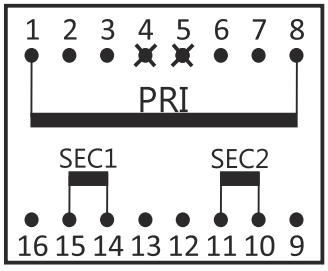
TEZ 20; 25; 30





TEZ 40; 50





Type	Typical leads		
	PRI	1xSEC	2xSEC
TEZ 0,5	1 - 4	6 - 7	5 - 6, 7 - 8
TEZ 0,51 / 1,5 / 1,8 / 2,0 / 2,3 / 2,5 / 2,6	1 - 5	7 - 9	6 - 7, 9 - 10
TEZ 3,0 / 4,0 / 4,5 / 6,0	1 - 5	7 - 9	6 - 7, 9 - 10
TEZ 10,0 / 15,0	1 - 6	8 - 11	7 - 8, 11 - 12
TEZ 16,0 / 20,0 / 25,0 / 30,0	1 - 7	9 - 13	8 - 9, 13 - 14
TEZ 40,0 / 50,0	1 - 8	10 - 15	10 - 11, 14 - 15

Suggested hole for pins in the PCB board: 1,2mm.

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Due to the constant development of the construction and changes in technical requirements, Breve Tufvassons reserves the right to change the above parameters.