

## EU Updated EuP Directive to ErP Directive

Directive 2005/32 EC of the European Parliament and of the Council of 6 July 2005 establishing a framework for the setting of ECO-Design requirements for energy-using products has been substantially amended. It now strictly limited to the extension of the scope of application of that directive to include all energy-related products, are to be made, that directive should be recast in the interests of clarity.

EI 30 ErP series encapsulated transformer are designed to meet:-

**EC No 1275/2008:** Requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment.

**EC No 278/2009:** Requirements for no-load condition electric power consumption and average active efficiency of external power supplies.

Customization of all sizes is possible:

- further PRI-SEC voltages
- individual power values
- unpotted versions
- special PIN configurations
- higher temperature classes

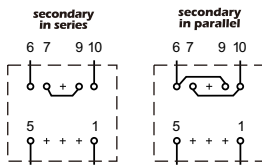
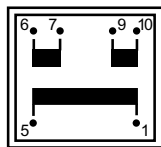
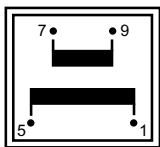
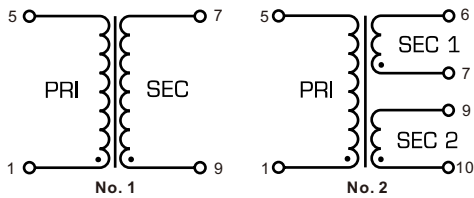
### Features:

- Standby power consumption  $\leq 0.5W$
- Vacuum filled casting
- Split bobbin design winding
- Ambient temperature  $ta70^{\circ}C$
- Insulation class B or F
- Inherently short circuit proof
- Frequency 50/60Hz
- Dielectric strength 4,000Vrms
- Weight: 130g

2.8VA



### Schematics



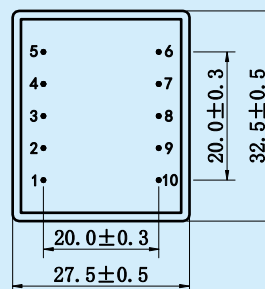
Recommended PCB layout for secondary in series or in parallel

Note: Unused pins are omitted for standard parts and it can be provided upon request.

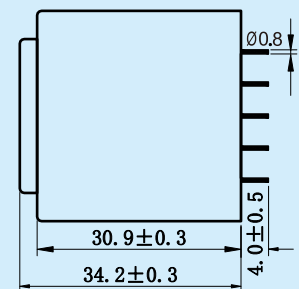
## Primary Voltage 230V

Part Number	Primary (V)	Secondary (V)	Secondary (mA)	No-Load Voltage (V)	Schematic No.	Ambient Temperature
YZE30S28-0607B	230	6	466.7	9.0	1	ta 70/B
YZE30S28-0727B	230	7.2	388.9	10.8	1	ta 70/B
YZE30S28-0907B	230	9	311.1	13.5	1	ta 70/B
YZE30S28-1007B	230	10	280.0	15.0	1	ta 70/B
YZE30S28-1207B	230	12	233.3	18.0	1	ta 70/B
YZE30S28-1507B	230	15	186.7	22.5	1	ta 70/B
YZE30S28-1807B	230	18	155.6	27.0	1	ta 70/B
YZE30S28-2407B	230	24	116.7	36.0	1	ta 70/B
YZE30D28-0607B	230	2x6	2x233.3	2x9.0	2	ta 70/B
YZE30D28-0727B	230	2x7.2	2x194.4	2x10.8	2	ta 70/B
YZE30D28-0907B	230	2x9	2x155.6	2x13.5	2	ta 70/B
YZE30D28-1007B	230	2x10	2x140.0	2x15.0	2	ta 70/B
YZE30D28-1207B	230	2x12	2x116.7	2x18.0	2	ta 70/B
YZE30D28-1507B	230	2x15	2x93.3	2x22.5	2	ta 70/B
YZE30D28-1807B	230	2x18	2x77.8	2x27.0	2	ta 70/B
YZE30D28-2407B	230	2x24	2x58.3	2x36.0	2	ta 70/B

### Dimensions (mm):



Bottom View



Front View