

## 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

1.5VA



### Features:

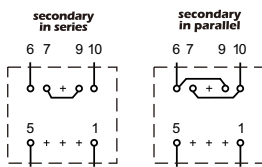
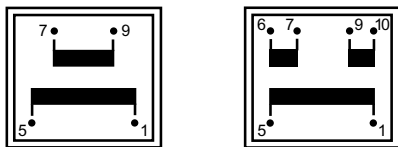
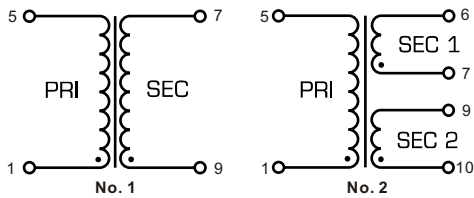
- Standby power consumption  $\leq 0.5W$
- Vacuum filled casting
- Split bobbin design winding
- Ambient temperature  $ta70^{\circ}C$
- Insulation class B or F
- Inherently short circuit proof
- Frequency 50/60Hz
- Dielectric strength 4,000Vrms
- Weight: 85g



## Primary Voltage 230V

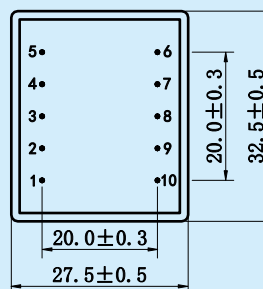
Part Number	Primary (V)	Secondary (V)	Secondary (mA)	No-Load Voltage (V)	Schematic No.	Ambient Temperature
YZE30S15-0607B	230	6	250.0	9.1	1	ta 70/B
YZE30S15-0727B	230	7.2	208.3	10.9	1	ta 70/B
YZE30S15-0907B	230	9	166.7	13.7	1	ta 70/B
YZE30S15-1007B	230	10	150.0	15.2	1	ta 70/B
YZE30S15-1207B	230	12	125.0	18.2	1	ta 70/B
YZE30S15-1507B	230	15	100.0	22.8	1	ta 70/B
YZE30S15-1807B	230	18	83.3	27.4	1	ta 70/B
YZE30S15-2407B	230	24	62.5	36.5	1	ta 70/B
YZE30D15-0607B	230	2x6	2x125.0	2x9.1	2	ta 70/B
YZE30D15-0727B	230	2x7.2	2x104.2	2x10.9	2	ta 70/B
YZE30D15-0907B	230	2x9	2x83.3	2x13.7	2	ta 70/B
YZE30D15-1007B	230	2x10	2x75.0	2x15.2	2	ta 70/B
YZE30D15-1207B	230	2x12	2x62.5	2x18.2	2	ta 70/B
YZE30D15-1507B	230	2x15	2x50.0	2x22.8	2	ta 70/B
YZE30D15-1807B	230	2x18	2x41.7	2x27.4	2	ta 70/B
YZE30D15-2407B	230	2x24	2x31.3	2x36.5	2	ta 70/B

### Schematics

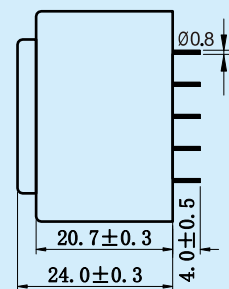


Recommended PCB layout for secondary in series or in parallel

### Dimensions (mm):



Bottom View



Front View

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