

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: 80g

1.0VA

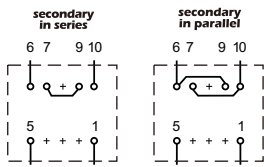
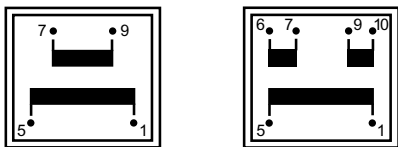
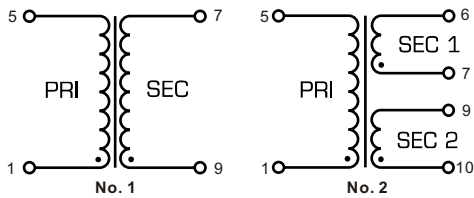
Special Low Power Loss



Primary Voltage 230V

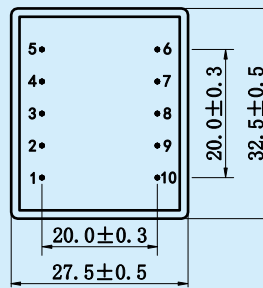
Part Number	Primary (V)	Secondary (V)	Secondary (mA)	No-Load Voltage (V)	Schematic No.	Ambient Temperature
YZE30S10-0607B	230	6	166.7	8.6	1	ta 70/B
YZE30S10-0727B	230	7.2	138.9	10.3	1	ta 70/B
YZE30S10-0907B	230	9	111.1	12.9	1	ta 70/B
YZE30S10-1007B	230	10	100.0	14.3	1	ta 70/B
YZE30S10-1207B	230	12	83.3	17.2	1	ta 70/B
YZE30S10-1507B	230	15	66.7	21.4	1	ta 70/B
YZE30S10-1807B	230	18	55.6	25.7	1	ta 70/B
YZE30S10-2407B	230	24	41.7	34.3	1	ta 70/B
YZE30D10-0607B	230	2x6	2x166.7	2x8.6	2	ta 70/B
YZE30D10-0727B	230	2x7.2	2x138.9	2x10.3	2	ta 70/B
YZE30D10-0907B	230	2x9	2x111.1	2x12.9	2	ta 70/B
YZE30D10-1007B	230	2x10	2x100.0	2x14.3	2	ta 70/B
YZE30D10-1207B	230	2x12	2x83.3	2x17.2	2	ta 70/B
YZE30D10-1507B	230	2x15	2x66.7	2x21.5	2	ta 70/B
YZE30D10-1807B	230	2x18	2x55.6	2x25.7	2	ta 70/B
YZE30D10-2407B	230	2x24	2x41.7	2x34.3	2	ta 70/B

Schematics

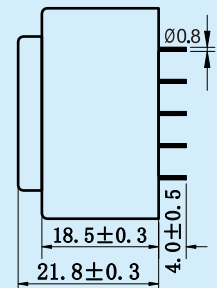


Recommended PCB layout for secondary in series or in parallel

Dimensions (mm):



Bottom View



Front View

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