



IP00 - Open construction - Toroidal Transformers



lead-free from 15.06.2005 on

This "open construction" type of toroidal transformers combines a low cost design without compromising the technical quality. It is most suitable for all electric & electronic circuitry wherein the transformer can be physically incorporated so that it will be protected from moisture, high humidity levels... and so on by the cabinet.

We've three standard ranges, ex stock:

Ek-range : 15VA >1000VA (see next page 4.2.1.1)

Ek-s range :50VA >500VA, halogen lighting, thermal switch. (see page 4.3.1)

Ek-z range :15VA >300VA, thermal switch & overcurrent protection.

They all come in individual packaging, mounting accessories included.

With one primary & two symmetrical secondaries.

For all other data refer to the options list and specs table aside. Customised solutions will be manufactured within short lead times and with EN61558 - EN60950 - CE -ENEC approval.

Remark : datas are at $T_w=90^{\circ}\text{C}$ & Bn.

VA rating	Diameter x H	Efficiency	Weight	Mounting screw	Copper loss	Iron loss
15	67x28	85	0.358	M5X40	2.33	0.27
30	69x35	86	0.450	M5X45	4.54	0.34
65	80x36	87	0.730	M5X45	9.16	0.56
80	90x37	89	0.957	M6X50	9.25	0.66
100	90x42	90	1.125	M6X50	10.65	0.80
160	103x45	90	1.381	M6X60	15.32	1.03
200	110x45	91	1.79	M6X60	17.59	1.31
250	115x50	91	1.99	M6X60	22	1.31
300	115x59	92	2.39	M6X70	24	1.75
400	124x60	93	3.02	M8X80	26	2.32
500	130x70	93	3.65	M8X80	33	2.76
625	136x68	93	4.05	M8X80	42	2.72
800	136x82	95	5.23	M8X80	42	4.08
1000	154x72	95	5.87	M8X80	53	4.5
1500	160x105	96	9.1	cent. pot	61	7.2
2000	200x85	96	11.2	cent. pot	74	9.2
2500	195x110	97	16.3	cent. pot	70	15.3
3000	205x116	96	17.2	cent. pot	99	16.4
3500	220x120	97	20	cent. pot	98	17.5
4000	220x125	97	21	cent. pot	110	17.5
4500	250x125	97	24.1	cent. pot	124	20.7
5000	260x125	97	25.5	cent. pot	141	21.8

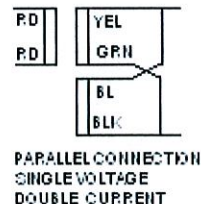
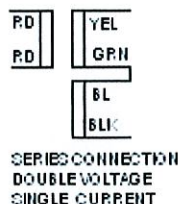
OPTIONS

We summarize several options applicable on our " Open construction " type of transformers. This list is not complete and evolves daily.

- Multiple primary & secondary windings.
- Thermal switch, thermal fuse.
- Stranded wire connection leads (PVC or silicone insulation).
- Connection leads terminated with crimp-on connectors (e.g. Fast On).
- Connection leads terminated with terminal blocks.
- Electrostatic screen.
- Magnetic screen.
- Mounting bracket.



IP00 – Open construction – Ex Stock “ EK – range “



This “EK – range “ is our low cost ex stock range.

Primary = 230V 50/60 Hz.

Secondary : two symmetrical output voltages, see table below for our ex stock output voltages.

For series or parallel connection of the secondaries please refer to electrical drawing.

MOQ = 1

Packing : individual, including mounting discs, screw + nut.

Ordering information : Use following part number code:

EK xxxx xx

refers to VA rating : e.g. : 65 equals 65VA

refers to the secondary voltages : 09 equals 2 x 9V

As thus : EK 6509 is a 65VA 230V > 2 x 9V IP00 transformer.

As thus : EK-Z 6509 is a 65VA 230V > 2 x 9V IP00 transformer with thermal & overcurrent protection

For dimensions and general data please refer to previous page 4.2.1 .

For dimensions and general data please refer to previous page 1217																					
	Standard secondary output voltages (Ex Stock / On Request)																				
	2 X 6 V	2 X 9 V	2 X 12 V	2 X 15 V	2 X 18 V	2 X 20 V	2 X 22 V	2 X 25 V	2 X 27 V	2 X 30 V	2 X 35 V	2 X 40 V	2 X 45 V	2 X 50 V	2 X 55 V	2 X 60 V	2 X 70 V	2 X 80 V	2 X 90 V	2 X 100	2 X 115 V
VA																					
15																					
30																					
50																					
65																					
80																					
100																					
120																					
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