

TOROIDAL TRANSFORMERS

TOROIDAL FEATURES

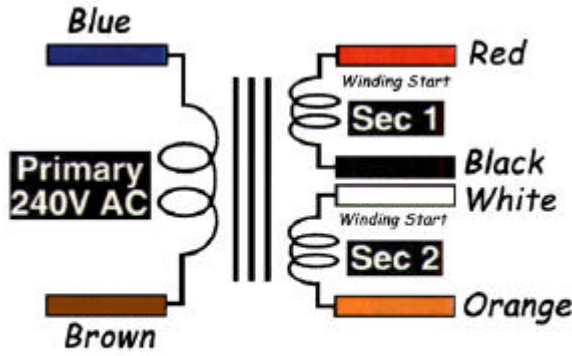
- Each toroidal is supplied with 2 x Rubber Spacing Washers, 1 x Steel Dished Washer, 1 x Mounting Bolt, 1 x Nut (except PCB mount versions).
- Lower electrically induced noise demanded by compact equipment.
- High efficiency enabling conservative rating whilst maintaining size advantages.
- The toroidal transformer is accepted as the industry standard, replacing the laminated type as toroidal transformers offer advantages in size, weight and lower radiated field.
- All Are Energy Authority Certified

GENERAL SPECIFICATIONS

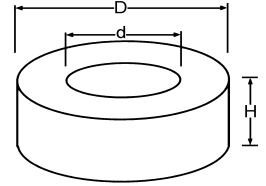
Primary voltage - 240V AC
 Regulation - Better than 10%
 Maximum temperature rise - 75°C
 Dielectric strength - 4000V for 1 minute

Secondary Current A - Current available where secondaries are connected in parallel.

Secondary Current B - Current available where secondaries are connected in series.



Fly Lead Colours for Dual Secondary Toroidals



Model	D	d	H
30VA	70	23	30
50VA	82	25	31
80VA	87	26	37
160VA	100	26	43
300VA	106	26	57
500VA	126	27	63

Tolerance: ± 2%

Outside diameter **D** is given as a maximum value.
 Inner diameter **d** is given as a minimum value.

30VA RATING

Part Number	Sec. V	Secondary Current A	Secondary Current B
M4909	9+9	3.3	1.6
M4912	12+12	2.5	1.2
M4915	15+15	2	1
M4918	18+18	1.6	0.8
M4925	25+25	1.2	0.6



160VA RATING

Part Number	Sec. V	Secondary Current A	Secondary Current B
M5309	9+9	17.8	8.9
M5312	12+12	13.3	6.6
M5315	15+15	10.7	5.3
M5318	18+18	8.8	4.4
M5325	25+25	6.4	3.2
M5330	30+30	5.3	2.6
M5340	40+40	4	2
M5345	45+45	3.5	1.7



50VA RATING

Part Number	Sec. V	Secondary Current A	Secondary Current B
M5009	9+9	5.5	2.7
M5012	12+12	4.1	2.0
M5015	15+15	3.3	1.6
M5018	18+18	2.7	1.3
M5025	25+25	2	1



300VA RATING

Part Number	Sec. V	Secondary Current A	Secondary Current B
M5509	9+9	33.3	16.6
M5512	12+12	25.0	12.5
M5515	15+15	20.0	10
M5518	18+18	16.6	8.3
M5525	25+25	12.0	6.0
M5530	30+30	10.0	5.0
M5535	35+35	8.5	4.2
M5540	40+40	7.5	3.7
M5545	45+45	6.6	3.3



80VA RATING

Part Number	Sec. V	Secondary Current A	Secondary Current B
M5109	9+9	8.8	4.4
M5112	12+12	6.6	3.3
M5115	15+15	5.3	2.6
M5118	18+18	4.4	2.2
M5125	25+25	3.2	1.6



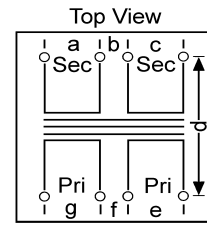
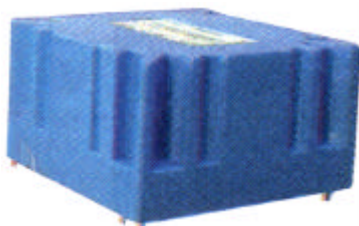
500VA RATING

Part Number	Sec. V	Secondary Current A	Secondary Current B
M5725	25+25	20.0	10.0
M5730	30+30	16.6	8.3
M5750	50+50	10.0	5.0
M5765	65+65	7.6	3.8



ENCAPSULATED PCB MOUNT TOROIDAL TRANSFORMERS

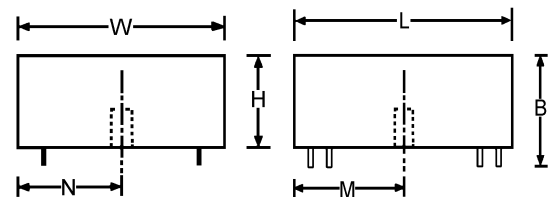
The transformer is "potted" in an epoxy compound within a plastic housing. Configured with 2 x 120V primaries and 2 identical secondaries which can be wired in either series or parallel. Being PCB mount reduces assembly time as the transformer simply solders to the PCB. For extra stability and mechanical reliability the transformer can be secured to the PCB with a self tapping screw.



Physical Dimensions

Model	a	b	c	d	e	f	g
10VA	5	34	5	45	5	36	5
30VA	8	37	8	56	8	39	8

Model	B	H	I	M	N	W
10VA	33	28	53	26.5	26.5	53
30VA	38	33	62	31	31	62



10VA PCB MOUNT

Primary Voltage - 2 x 120V AC
 Total VA rating - 10VA
 Insulation - Class A (105°C)
 Magnetising current - <20mA
 Temperature rise - <65°C
 Regulation - ??? ?
 Rec. AC fuse - 100mA
 Weight - 2210g

10VA Part Number	Sec. V	Secondary Current A	Secondary Current B
M4312	6+6	1.67	0.83
M4315	7.5+7.5	1.3	0.66
M4318	9+9	1.1	0.5
M4324	12+12	0.8	0.4
M4330	15+15	0.6	0.3

30VA PCB MOUNT

Primary Voltage - 2 x 120V AC
 Total VA rating - 30VA
 Insulation - Class A (105°C)
 Magnetising current - <30mA
 Temperature rise - <65°C
 Regulation - ??? ?
 Rec. AC fuse - 250mA
 Weight - 7450g

30VA Part Number	Sec. V	Secondary Current A	Secondary Current B
M4612	6+6	5	2.5
M4615	7.5+7.5	4	2
M4618	9+9	3.3	1.6
M4624	12+12	2.5	1.2
M4630	15+15	2	1