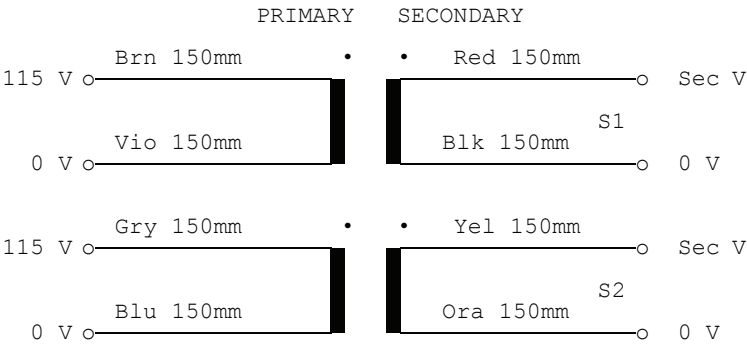


# Toroidal Transformers

## General Purpose



RoHS  
Compliant



### MCTA Range General Purpose Toroidal Transformers

**Primary:**

Dual primary winding for connection in series or parallel only

| Series          | Input Voltage            | Secondary Power |
|-----------------|--------------------------|-----------------|
| MCTA015 Series  | 115 or 230V ±10% 50/60Hz | 2 × 7.5VA       |
| MCTA030 Series  |                          | 2 × 15VA        |
| MCTA050 Series  |                          | 2 × 25VA        |
| MCTA060 Series  |                          | 2 × 30VA        |
| MCTA080 Series  |                          | 2 × 40VA        |
| MCTA100 Series  |                          | 2 × 50VA        |
| MCTA1000 Series |                          | 2 × 500VA       |
| MCTA120 Series  |                          | 2 × 60VA        |
| MCTA160 Series  |                          | 2 × 80VA        |
| MCTA225 Series  |                          | 2 × 112.5VA     |
| MCTA250 Series  |                          | 2 × 125VA       |
| MCTA300 Series  |                          | 2 × 150VA       |
| MCTA500 Series  |                          | 2 × 250VA       |
| MCTA625 Series  |                          | 2 × 312.5VA     |
| MCTA800 Series  |                          | 2 × 400VA       |

**Termination:**

All leads Tri-Rated UL1015 style cable rated 600V /105°C VW-1

Primary leads double insulated with PVC sleeving for a minimum of 20mm.

Lead lengths ± 5mm approx. All leads ends tinned to 6mm

Pri/Sec leads      O°



# Toroidal Transformers

## General Purpose



### Temperature Class

|                    |                   |
|--------------------|-------------------|
| Winding wire       | : Class H (180°C) |
| Insulation system  | : Class B (130°C) |
| Leadout insulation | : Class A (105°C) |
| Overall            | : Class A (105°C) |

### Losses

| Series          | Iron Loss          | Copper Loss        | Efficiency  | Temperature Rise | Ambient Rated |
|-----------------|--------------------|--------------------|-------------|------------------|---------------|
| MCTA015 Series  | 0.25 Watts Approx. | 2.5 Watts Approx.  | 84% Typical | 27°C Approx.     | 40°C          |
| MCTA030 Series  | 0.37 Watts Approx. | 4.9 Watts Approx.  | 85% Typical | 42°C Approx.     |               |
| MCTA050 Series  | 0.46 Watts Approx. | 7.3 Watts Approx.  | 87% Typical | 50°C Approx.     |               |
| MCTA060 Series  | 0.57 Watts Approx. | 7.9 Watts Approx.  | 88% Typical | 47°C Approx.     |               |
| MCTA080 Series  | 0.58 Watts Approx. | 9.5 Watts Approx.  | 89% Typical | 52°C Approx.     |               |
| MCTA100 Series  | 0.85 Watts Approx. | 10.3 Watts Approx. | 90% Typical |                  |               |
| MCTA1000 Series | 4.49 Watts Approx. | 39.1 Watts Approx. | 96% Typical | 60°C Approx.     |               |
| MCTA120 Series  | 0.98 Watts Approx. | 11.4 Watts Approx. | 91% Typical | 54°C Approx.     |               |
| MCTA160 Series  | 1.12 Watts Approx. | 13.9 Watts Approx. |             |                  |               |
| MCTA225 Series  | 1.49 Watts Approx. | 16.9 Watts Approx. | 92% Typical | 56°C Approx.     |               |
| MCTA250 Series  | 1.62 Watts Approx. | 17.4 Watts Approx. | 93% Typical | 55°C Approx.     |               |
| MCTA300 Series  | 1.8 Watts Approx.  | 19.8 Watts Approx. |             |                  |               |
| MCTA500 Series  | 2.76 Watts Approx. | 24.4 Watts Approx. | 95% Typical | 53°C Approx.     |               |
| MCTA625 Series  | 3.17 Watts Approx. | 29.4 Watts Approx. |             | 59°C Approx.     |               |
| MCTA800 Series  | 4.16 Watts Approx. | 35.3 Watts Approx. |             |                  |               |

### Approx. Dimensions/weight (mounting excluded)

| Series          | Diameter                | Height                   | Weight |
|-----------------|-------------------------|--------------------------|--------|
| MCTA015 Series  | 64.5mm allow extra 5mm  | 30.5mm over leadout area | 0.33kg |
| MCTA030 Series  | 73mm allow extra 5mm    | 31mm over leadout area   | 0.48kg |
| MCTA050 Series  | 81mm allow extra 5mm    | 34.5mm over leadout area | 0.65kg |
| MCTA060 Series  | 91.5mm allow extra 5mm  | 39mm over leadout area   | 0.78kg |
| MCTA080 Series  | 87.5mm allow extra 5mm  | 39mm over leadout area   | 0.96kg |
| MCTA100 Series  | 91mm allow extra 5mm    | 46mm over leadout area   | 1.13kg |
| MCTA1000 Series | 167mm allow extra 5mm   | 70.5mm over leadout area | 7.48kg |
| MCTA120 Series  | 95mm allow extra 5mm    | 47mm over leadout area   | 1.32kg |
| MCTA160 Series  | 105mm allow extra 5mm   | 47mm over leadout area   | 1.64kg |
| MCTA225 Series  | 110.5mm allow extra 5mm | 51mm over leadout area   | 2.2kg  |
| MCTA250 Series  | 119.5mm allow extra 5mm | 53.5mm over leadout area | 2.38kg |
| MCTA300 Series  | 125.5mm allow extra 5mm | 54mm over leadout area   | 2.83kg |
| MCTA500 Series  | 139mm allow extra 5mm   | 59mm over leadout area   | 4.3kg  |
| MCTA625 Series  | 139mm allow extra 5mm   | 71mm over leadout area   | 5.2kg  |
| MCTA800 Series  | 163mm allow extra 5mm   | 59mm over leadout area   | 6.34kg |

# Toroidal Transformers

## General Purpose



### MCTA015 Series

| Descriptions               | On Load Sec Voltage | Rated Amps per Sec (A) | Off Load Sec Voltage | Sec Flex Gauge | Sec $\Omega$ @ 20°C | Part Number |
|----------------------------|---------------------|------------------------|----------------------|----------------|---------------------|-------------|
| Transformer, 15VA, 2 × 6V  | 6                   | 1.25                   | 6.9                  | 22AWG          | 0.46                | MCTA015/06  |
| Transformer, 15VA, 2 × 9V  | 9                   | 0.83                   | 10.4                 |                | 1.08                | MCTA015/09  |
| Transformer, 15VA, 2 × 12V | 12                  | 0.63                   | 13.9                 |                | 1.76                | MCTA015/12  |
| Transformer, 15VA, 2 × 15V | 15                  | 0.5                    | 17.3                 |                | 2.78                | MCTA015/15  |
| Transformer, 15VA, 2 × 18V | 18                  | 0.42                   | 20.9                 |                | 4.21                | MCTA015/18  |

DC Resistance : 2 × 79.1 $\Omega$  ±15% @ 20°C

Magnetising Current : 2.5mA approx. @ 230V 50Hz (5mA approx. @115V 50Hz)

#### Supplied with:

- 1 × 50mm Dished Mounting Plate
- 2 × 50mm Neoprene Mounting Pads
- 1 × M5 × 40mm Screw, Nut & Washer

### MCTA030 Series

| Descriptions               | On Load Sec Voltage | Rated Amps per Sec (A) | Off Load Sec Voltage | Sec Flex Gauge | Sec $\Omega$ @ 20°C | Part Number |
|----------------------------|---------------------|------------------------|----------------------|----------------|---------------------|-------------|
| Transformer, 30VA, 2 × 6V  | 6                   | 2.5                    | 6.9                  | 22AWG          | 0.21                | MCTA030/06  |
| Transformer, 30VA, 2 × 9V  | 9                   | 1.67                   | 10.3                 |                | 0.44                | MCTA030/09  |
| Transformer, 30VA, 2 × 12V | 12                  | 1.25                   | 13.9                 |                | 0.9                 | MCTA030/12  |
| Transformer, 30VA, 2 × 15V | 15                  | 1                      | 17.4                 |                | 1.44                | MCTA030/15  |
| Transformer, 30VA, 2 × 18V | 18                  | 0.83                   | 20.9                 |                | 2.13                | MCTA030/18  |
| Transformer, 30VA, 2 × 25V | 25                  | 0.6                    | 28.8                 |                | 3.74                | MCTA030/25  |

DC Resistance : 2 × 42 $\Omega$  ±15% @ 20°C

Magnetising Current : 3.5mA approx. @ 230V 50Hz (7mA approx. @115V 50Hz)

#### Supplied with:

- 1 × 50mm Dished Mounting Plate
- 2 × 50mm Neoprene Mounting Pads
- 1 × M5 × 40mm Screw, Nut & Washer

# Toroidal Transformers

## General Purpose



### MCTA050 Series

| Descriptions               | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 50VA, 2 × 6V  | 6                      | 4.17                         | 6.8                     | 20AWG             | 0.11                   | MCTA050/06  |
| Transformer, 50VA, 2 × 9V  | 9                      | 2.78                         | 10.2                    |                   | 0.23                   | MCTA050/09  |
| Transformer, 50VA, 2 × 12V | 12                     | 2.08                         | 13.6                    | 22AWG             | 0.44                   | MCTA050/12  |
| Transformer, 50VA, 2 × 15V | 15                     | 1.67                         | 17                      |                   | 0.69                   | MCTA050/15  |
| Transformer, 50VA, 2 × 18V | 18                     | 0.42                         | 21.4                    |                   | 5.4                    | MCTA050/18  |
| Transformer, 50VA, 2 × 25V | 25                     | 1                            | 28.4                    |                   | 1.83                   | MCTA050/25  |
| Transformer, 50VA, 2 × 55V | 55                     | 0.45                         | 62.3                    |                   | 8.93                   | MCTA050/55  |

DC Resistance : 2 × 25.5 $\Omega$  ±15% @ 20°C

Magnetising Current : 4.5mA approx. @ 230V 50Hz (9mA approx. @115V 50Hz)

#### Supplied with:

- 1 × 50mm Dished Mounting Plate
- 2 × 50mm Neoprene Mounting Pads
- 1 × M5 × 40mm Screw, Nut & Washer

### MCTA060 Series

| Descriptions               | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 60VA, 2 × 9V  | 9                      | 3.33                         | 10.1                    | 20AWG             | 0.19                   | MCTA060/09  |
| Transformer, 60VA, 2 × 12V | 12                     | 2.5                          | 13.5                    | 22AWG             | 0.36                   | MCTA060/12  |
| Transformer, 60VA, 2 × 15V | 15                     | 2                            | 16.9                    |                   | 0.51                   | MCTA060/15  |
| Transformer, 60VA, 2 × 18V | 18                     | 1.67                         | 20.2                    |                   | 0.77                   | MCTA060/18  |
| Transformer, 60VA, 2 × 25V | 25                     | 1.2                          | 28                      |                   | 1.36                   | MCTA060/25  |

DC Resistance : 2 × 19 $\Omega$  ±15% @ 20°C

Magnetising Current : 5.5mA approx. @ 230V 50Hz (11mA approx. @115V 50Hz)

#### Supplied with:

- 1 × 70mm Dished Mounting Plate
- 2 × 70mm Neoprene Mounting Pads
- 1 × M6 × 50mm Screw, Nut & Washer

# Toroidal Transformers

## General Purpose



### MCTA080 Series

| Descriptions               | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 80VA, 2 × 9V  | 9                      | 4.44                         | 9                       | 20 AWG            | 0.12                   | MCTA080/09  |
| Transformer, 80VA, 2 × 12V | 12                     | 3.33                         | 12                      |                   | 0.23                   | MCTA080/12  |
| Transformer, 80VA, 2 × 15V | 15                     | 2.67                         | 15                      | 22 AWG            | 0.35                   | MCTA080/15  |
| Transformer, 80VA, 2 × 18V | 18                     | 2.22                         | 18                      |                   | 0.53                   | MCTA080/18  |
| Transformer, 80VA, 2 × 25V | 25                     | 1.6                          | 27.7                    |                   | 0.93                   | MCTA080/25  |
| Transformer, 80VA, 2 × 55V | 55                     | 0.73                         | 60.7                    |                   | 4.15                   | MCTA080/55  |

DC Resistance : 2 × 13.5 $\Omega$  ±15% @ 20°C

Magnetising Current : 6.5mA approx. @ 230V 50Hz (13mA approx. @115V 50Hz)

### Supplied with:

- 1 × 70mm Dished Mounting Plate
- 2 × 70mm Neoprene Mounting Pads
- 1 × M6 × 50mm Screw, Nut & Washer

### MCTA100 Series

| Descriptions                | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|-----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 100VA, 2 × 12V | 12                     | 4.17                         | 13.1                    | 20AWG             | 0.15                   | MCTA100/12  |
| Transformer, 100VA, 2 × 15V | 15                     | 3.33                         | 16.3                    |                   | 0.23                   | MCTA100/15  |
| Transformer, 100VA, 2 × 18V | 18                     | 2.78                         | 19.7                    |                   | 0.35                   | MCTA100/18  |
| Transformer, 100VA, 2 × 25V | 25                     | 2                            | 27.4                    |                   | 0.68                   | MCTA100/25  |

DC Resistance : 2 × 9.9 $\Omega$  ±15% @ 20°C

Magnetising Current : 7.5mA approx. @ 230V 50Hz (15mA approx. @115V 50Hz)

### Supplied with:

- 1 × 70mm Dished Mounting Plate
- 2 × 70mm Neoprene Mounting Pads
- 1 × M6 × 50mm Screw, Nut & Washer

# Toroidal Transformers

## General Purpose



### MCTA1000 Series

| Descriptions                  | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|-------------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 1,000VA, 2 × 40V | 40                     | 12.5                         | 41.5                    | 14AWG             | 0.06                   | MCTA1000/40 |
| Transformer, 1,000VA, 2 × 50V | 50                     | 10                           | 52                      | 16AWG             | 0.1                    | MCTA1000/50 |
| Transformer, 1,000VA, 2 × 55V | 55                     | 9.09                         | 56.9                    |                   | 0.14                   | MCTA1000/55 |

DC Resistance : 2 × 0.39 $\Omega$  ±15% @ 20°C

Magnetising Current : 47mA approx. @ 230V 50Hz (94mA approx. @115V 50Hz)

#### Supplied with:

- 1 × 145mm Dished Mounting Plate
- 2 × 148mm Neoprene Mounting Pads
- 1 × M8 × 80mm Screw, Nut & Washer

### MCTA120 Series

| Descriptions                | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|-----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 120VA, 2 × 12V | 12                     | 5                            | 13.2                    | 18AWG             | 0.12                   | MCTA120/12  |
| Transformer, 120VA, 2 × 15V | 15                     | 4                            | 16.4                    | 20AWG             | 0.19                   | MCTA120/15  |
| Transformer, 120VA, 2 × 18V | 18                     | 3.33                         | 19.6                    |                   | 0.29                   | MCTA120/18  |
| Transformer, 120VA, 2 × 25V | 25                     | 2.4                          | 27.3                    |                   | 0.55                   | MCTA120/25  |
| Transformer, 120VA, 2 × 55V | 55                     | 1.09                         | 59.5                    |                   | 2.18                   | MCTA120/55  |

DC Resistance : 2 × 7.3 $\Omega$  ±15% @ 20°C

Magnetising Current : 9mA approx. @ 230V 50Hz (18mA approx. @115V 50Hz)

#### Supplied with:

- 1 × 70mm Dished Mounting Plate
- 2 × 70mm Neoprene Mounting Pads
- 1 × M6 × 50mm Screw, Nut & Washer

# Toroidal Transformers

## General Purpose



### MCTA160 Series

| Descriptions                | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|-----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 160VA, 2 × 12V | 12                     | 6.67                         | 13                      | 18AWG             | 0.08                   | MCTA160/12  |
| Transformer, 160VA, 2 × 15V | 15                     | 5.33                         | 16.4                    |                   | 0.13                   | MCTA160/15  |
| Transformer, 160VA, 2 × 18V | 18                     | 4.44                         | 19.6                    |                   | 0.17                   | MCTA160/18  |
| Transformer, 160VA, 2 × 25V | 25                     | 3.2                          | 27                      | 20AWG             | 0.33                   | MCTA160/25  |
| Transformer, 160VA, 2 × 30V | 30                     | 2.67                         | 32.5                    |                   | 0.5                    | MCTA160/30  |
| Transformer, 160VA, 2 × 55V | 55                     | 1.45                         | 59.5                    |                   | 1.59                   | MCTA160/55  |

DC Resistance : 2 × 5.5 $\Omega$  ±15% @ 20°C

Magnetising Current : 11mA approx. @ 230V 50Hz (22mA approx. @115V 50Hz)

#### Supplied with:

1 × 90mm Dished Mounting Plate  
2 × 90mm Neoprene Mounting Pads  
1 × M6 × 60mm Screw, Nut & Washer

### MCTA225 Series

| Descriptions                | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|-----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 225VA, 2 × 12V | 12                     | 9.38                         | 12.7                    | 16AWG             | 0.05                   | MCTA225/12  |
| Transformer, 225VA, 2 × 15V | 15                     | 7.5                          | 16.1                    |                   | 0.08                   | MCTA225/15  |
| Transformer, 225VA, 2 × 18V | 18                     | 6.25                         | 19.2                    |                   | 0.12                   | MCTA225/18  |
| Transformer, 225VA, 2 × 25V | 25                     | 4.5                          | 26.7                    | 20AWG             | 0.21                   | MCTA225/25  |
| Transformer, 225VA, 2 × 30V | 30                     | 3.75                         | 32.2                    |                   | 0.32                   | MCTA225/30  |
| Transformer, 225VA, 2 × 55V | 55                     | 2.05                         | 58.7                    |                   | 1                      | MCTA225/55  |

DC Resistance : 2 × 3.2 $\Omega$  ±15% @ 20°C

Magnetising Current : 14.5mA approx. @ 230V 50Hz (29mA approx. @115V 50Hz)

#### Supplied with:

1 × 90mm Dished Mounting Plate  
2 × 90mm Neoprene Mounting Pads  
1 × M6 × 60mm Screw, Nut & Washer

[www.element14.com](http://www.element14.com)  
[www.farnell.com](http://www.farnell.com)  
[www.newark.com](http://www.newark.com)



# Toroidal Transformers

## General Purpose



### MCTA250 Series

| Descriptions                | On Load Sec Voltage | Rated Amps per Sec (A) | Off Load Sec Voltage | Sec Flex Gauge | Sec $\Omega$ @ 20°C | Part Number |
|-----------------------------|---------------------|------------------------|----------------------|----------------|---------------------|-------------|
| Transformer, 250VA, 2 × 12V | 12                  | 10.42                  | 12.8                 | 16AWG          | 0.04                | MCTA250/12  |
| Transformer, 250VA, 2 × 18V | 18                  | 6.94                   | 19.2                 |                | 0.09                | MCTA250/18  |
| Transformer, 250VA, 2 × 25V | 25                  | 5                      | 26.7                 |                | 0.16                | MCTA250/25  |
| Transformer, 250VA, 2 × 30V | 30                  | 4.17                   | 31.9                 | 20AWG          | 0.24                | MCTA250/30  |
| Transformer, 250VA, 2 × 35V | 35                  | 3.57                   | 37.2                 |                | 0.32                | MCTA250/35  |
| Transformer, 250VA, 2 × 40V | 40                  | 3.13                   | 42.5                 |                | 0.4                 | MCTA250/40  |
| Transformer, 250VA, 2 × 45V | 45                  | 2.78                   | 48.1                 |                | 0.51                | MCTA250/45  |
| Transformer, 250VA, 2 × 50V | 50                  | 2.5                    | 53.3                 |                | 0.63                | MCTA250/50  |

DC Resistance : 2 × 3.05 $\Omega$  ±15% @ 20°C

Magnetising Current : 17mA approx. @ 230V 50Hz (34mA approx. @115V 50Hz)

#### Supplied with:

- 1 × 90mm Dished Mounting Plate
- 2 × 90mm Neoprene Mounting Pads
- 1 × M6 × 60mm Screw, Nut & Washer

### MCTA300 Series

| Descriptions                | On Load Sec Voltage | Rated Amps per Sec (A) | Off Load Sec Voltage | Sec Flex Gauge | Sec $\Omega$ @ 20°C | Part Number |
|-----------------------------|---------------------|------------------------|----------------------|----------------|---------------------|-------------|
| Transformer, 300VA, 2 × 25V | 25                  | 6                      | 26.6                 | 18AWG          | 0.14                | MCTA300/25  |
| Transformer, 300VA, 2 × 30V | 30                  | 5                      | 31.9                 | 20AWG          | 0.19                | MCTA300/30  |
| Transformer, 300VA, 2 × 35V | 35                  | 4.29                   | 37.1                 |                | 0.28                | MCTA300/35  |
| Transformer, 300VA, 2 × 55V | 55                  | 2.73                   | 58.5                 |                | 0.7                 | MCTA300/55  |

DC Resistance : 2 × 2.13 $\Omega$  ±15% @ 20°C

Magnetising Current : 18mA approx. @ 230V 50Hz (36mA approx. @115V 50Hz)

#### Supplied with:

- 1 × 90mm Dished Mounting Plate
- 2 × 90mm Neoprene Mounting Pads
- 1 × M6 × 60mm Screw, Nut & Washer



# Toroidal Transformers

## General Purpose



### MCTA500 Series

| Descriptions                | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|-----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 500VA, 2 × 25V | 25                     | 10                           | 26.3                    | 16AWG             | 0.06                   | MCTA500/25  |
| Transformer, 500VA, 2 × 30V | 30                     | 8.33                         | 31.4                    |                   | 0.09                   | MCTA500/30  |
| Transformer, 500VA, 2 × 35V | 35                     | 7.14                         | 36.6                    | 18AWG             | 0.12                   | MCTA500/35  |
| Transformer, 500VA, 2 × 45V | 45                     | 5.56                         | 47                      |                   | 0.19                   | MCTA500/45  |
| Transformer, 500VA, 2 × 50V | 50                     | 5                            | 52.1                    |                   | 0.24                   | MCTA500/50  |
| Transformer, 500VA, 2 × 55V | 55                     | 4.55                         | 57.7                    |                   | 0.3                    | MCTA500/55  |

DC Resistance : 2 × 1.12 $\Omega$  ±15% @ 20°C

Magnetising Current : 28mA approx. @ 230V 50Hz (56mA approx. @115V 50Hz)

#### Supplied with:

1 × 112mm Dished Mounting Plate  
2 × 110mm Neoprene Mounting Pads  
1 × M8 × 75mm Screw, Nut & Washer

### MCTA625 Series

| Descriptions                | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|-----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 625VA, 2 × 40V | 40                     | 7.81                         | 41.8                    | 16AWG             | 0.12                   | MCTA625/40  |

DC Resistance : 2 × 0.79 $\Omega$  ±15% @ 20°C

Magnetising Current : 33mA approx. @ 230V 50Hz (66mA approx. @115V 50Hz)

#### Supplied with:

1 × 112mm Dished Mounting Plate  
2 × 110mm Neoprene Mounting Pads  
1 × M8 × 80mm Screw, Nut & Washer

# Toroidal Transformers

## General Purpose



### MCTA800 Series

| Descriptions                | On Load<br>Sec Voltage | Rated<br>Amps<br>per Sec (A) | Off Load<br>Sec Voltage | Sec Flex<br>Gauge | Sec $\Omega$<br>@ 20°C | Part Number |
|-----------------------------|------------------------|------------------------------|-------------------------|-------------------|------------------------|-------------|
| Transformer, 800VA, 2 × 55V | 55                     | 7.27                         | 57.5                    | 18AWG             | 0.17                   | MCTA800/55  |

DC Resistance : 2 × 0.56 $\Omega$  ±15% @ 20°C

Magnetising Current : 43mA approx. @ 230V 50Hz (86mA approx. @115V 50Hz)

### Supplied with:

- 1 × 145mm Dished Mounting Plate
- 2 × 148mm Neoprene Mounting Pads
- 1 × M8 × 70mm Screw, Nut & Washer

### Standards

Designed and manufactured in accordance with : EN61558-1 / EN61558-1/A1 / EN61558-2-4 or EN61558-2-6

UL recognised under family approval E115159 to UL1411, UL60601-1, UL195059

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