

Toroidal Transformers

General Purpose



RoHS
Compliant



Primary

Dual primary winding for connection in series or parallel only

Input Voltage : 115V or 230V $\pm 10\%$ 50/60Hz.

DC Resistance : $2 \times 1.12\Omega \pm 15\%$ @ 20°C

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

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

Pri/Sec leads 0°

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)

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, UL60065-1

Losses

Iron Loss : 2.76 Watts Approx.

Copper Loss : 24.4 Watts Approx.

Efficiency : 95% typical

Temperature rise : 53°C approx.

Ambient rated : 40°C

Supplied with

1× 112mm dished mounting plate

2× 110mm neoprene mounting pads

1× M8 × 75mm screw, nut and washer

Approx. Dimensions / Weight (mounting excluded)

Diameter : 139mm (allow extra 5mm)

Height : 59mm (over leadout area)

Weight : 4.3kg

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands



Toroidal Transformers

General Purpose

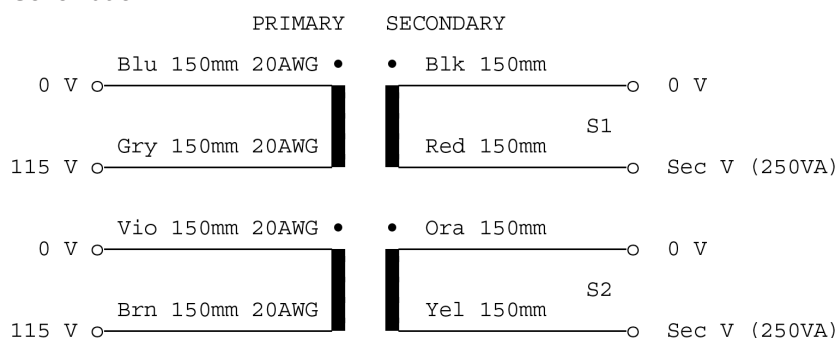


Specification Table

Part Number	On Load Sec V	Rated Amps per Sec	Off load Sec V	Sec Flex Gauge	Sec Ω @ 20°C
MCTA500/25	25	10	26.3	16 AWG	0.06
MCTA500/30	30	8.33	31.4	16 AWG	0.09
MCTA500/35	35	7.14	36.6	18 AWG	0.12
MCTA500/45	45	5.56	47	18 AWG	0.19
MCTA500/50	50	5	52.1	18 AWG	0.24
MCTA500/55	55	4.55	57.7	18 AWG	0.3

Wire Diagram

Schematic



Part Number Table

Description	Part Number
Toroidal Transformer, 500VA, 2 × 25V	MCTA500/25
Toroidal Transformer, 500VA, 2 × 30V	MCTA500/30
Toroidal Transformer, 500VA, 2 × 35V	MCTA500/35
Toroidal Transformer, 500VA, 2 × 45V	MCTA500/45
Toroidal Transformer, 500VA, 2 × 50V	MCTA500/50
Toroidal Transformer, 500VA, 2 × 55V	MCTA500/55

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of Premier Farnell Limited 2019.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

