

FEATURES

- Primary voltage rating of 2x115V ac
- Secondary voltage rating of 2x (6, 9, 12, 15, 18, 24, 30, 40, 45, 50, 55, 115) V ac
- Power rating of 100 - 3000VA
- Operating frequency of 50/60Hz
- Maximum temperature of 105°C
- Isolation of 4kV RMS
- Environmentally friendly, low energy dissipation
- High quality, low loss and low noise toroidal core
- Protection class IP00

RS PRO Torodial Transformer – Twin Primary Open Type



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

Standard toroidal transformers designed according to the following specifications.

- High quality safety and isolating transformers designed for use in control circuits and general applications
- High quality, low loss and low noise toroidal core
- Environmentally friendly, low energy dissipation
- Dual primary windings for parallel or serial connection.
- High efficiency, low regulation design
- Dual secondary windings
- Detailed product specification on permanent label
- Designed and manufactured to conform to IEC 61558-1.
- 100% electrical and flash tested
- Mounting kit included: 2 rubber washers, 1 metal disc, bolt and nut

General Specifications

Number of Outputs	2
Output Protection Type	None. Suggested fusing according to current rating
Applications	Electromagnetic applications, electronic and electrical control systems, relays, pumps, speed changers, heating elements

Mechanical Specifications

Mounting Type	Surface mount
Height	42 - 105mm
Diameter	90 - 240mm
Weight	1.1 – 20.5 kg

Electrical Specifications

Power Rating	100 - 3000VA
Primary Voltage Rating	2x115V ac
Secondary Voltage Rating	2x (6, 9, 12, 15, 18, 24, 30, 40, 45, 50, 55, 115) V ac
Isolation	4kV RMS
Temperature Class	A (105°C)

Input Data	
Rated Input Voltage	2x115V ac
Switch-On Time	100%
Minimum Operating Frequency	50Hz
Maximum Operating Frequency	60Hz

Output Data	
Rated Output Voltage	2x (6, 9, 12, 15, 18, 24, 30, 40, 45, 50, 55, 115) V ac
Rated Power	100 - 3000VA

Protection Category

IP Rating	IP00
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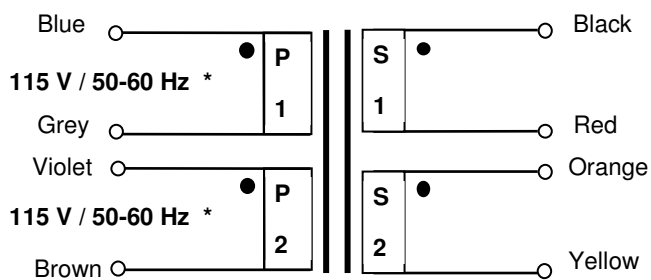
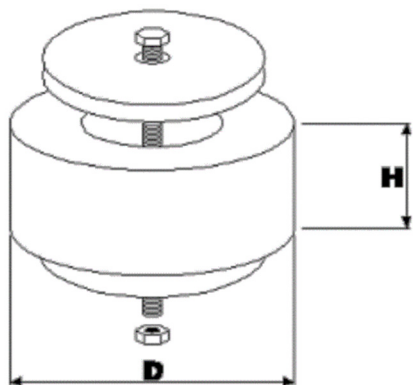
Approvals

Declarations	MFR Declaration of Conformity
Compliance	RoHS, CE
Standards Met	IEC/BS/EN 61558-1 AS/NZS 61558.1 IEC/BS/EN 61558-2-6 or IEC/BS/EN 61558-2-6 AS/NZS 61558.2.6 or AS/NZS 61558.2.4

Order Details

RS Stock number	Power VA	Specification	No-load voltage	According to
1176051	100	2 Output Toroidal Transformer, 100VA 12V	2 x 13.7	IEC61558-2-6
1176061	250	2 Output Toroidal Transformer, 250VA 24V	2 x 25.8	IEC61558-2-6
1176066	300	2 Output Toroidal Transformer, 300VA, 50V	2 x 53.6	IEC61558-2-4
1176068	300	2 Output Toroidal Transformer, 300VA, 115V	2 x 123	IEC61558-2-4
1176069	400	2 Output Toroidal Transformer, 400VA, 24V	2 x 25.8	IEC61558-2-6
1176070	400	2 Output Toroidal Transformer, 400VA, 55V	2 x 58.5	IEC61558-2-4
1176081	1000	2 Output Toroidal Transformer, 1000VA, 55V	2 x 57.8	IEC61558-2-4
1176082	1000	2 Output Toroidal Transform, 1000VA, 115V	2 x 120.8	IEC61558-2-4
1176083	1500	2 Output Toroidal Transform, 1.5kVA, 115V	2 x 120.8	IEC61558-2-4
1176084	2000	2 Output Toroidal Transformer, 2kVA, 115V	2 x 123.3	IEC61558-2-4
1176085	3000	2 Output Toroidal Transformer, 3kVA, 115V	2 x 119.8	IEC61558-2-4

Mechanical Drawings



*) The two primary windings have to be connected either in series or in parallel.

Power [VA]	Secondary [V]	Overall Size OD x ID x H [mm]	Weight [kg]
100	2x (9, 12, 15, 18, 24, 55 , 115)	90 x 37 x 45	1.10
200	2x (12, 15, 18, 24, 55, 115)	115 x 40 x 48	1.90
250	2x (24, 30, 40, 45, 50, 55, 115)	115 x 40 x 54	2.40
300	2x (24, 30, 40, 45, 50, 55, 115)	117 x 40 x 60	2.70
400	2x (24, 30, 40, 45, 50, 55, 115)	130 x 40 x 56	3.35
1000	2x (24, 30, 45, 50, 55, 115)	175 x 70 x 85	8.40
1500	2x (24, 45, 50, 55, 115)	200 x 70 x 90	9.80
2000	2x (24, 50, 55 115)	238 x 90 x 75	13.00
3000	2x (24, 50, 55, 115)	240 x 85 x 105	20.50