

TSO and TSO-AD Type:

Single-phase TSO and TSO-AD Type encapsulated, toroidal transformers and AC/DC converters, manufactured and tested in compliance with EN 61558.

Designed and prepared for II class equipment. Suited for power supply circuitry of electric machines and electronic devices with low non-load losses and weight.

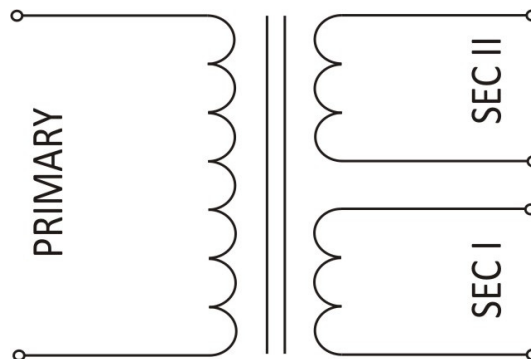
Transformers can be customized into several desired dimensions and voltage taps on both primary and secondary sides. Transformer can be also equipped with the following features:

- electrical and electromagnetic shield,
- thermal protection switch,
- plastic or metal case also for DIN rail mounting
- soft-start system,
- custom input / output sockets and plugs

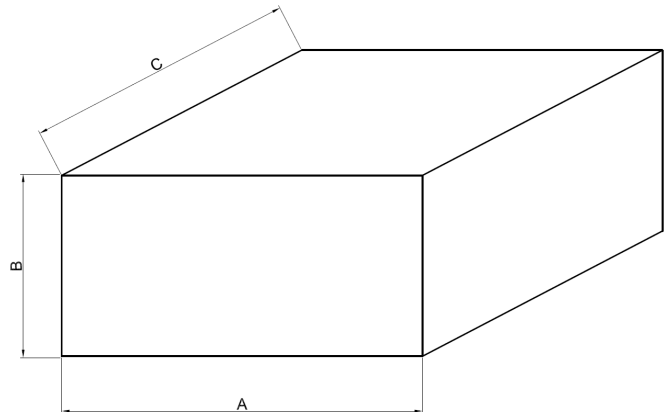
Technical specification:

Nominal Power:	20 - 2500VA
Input voltage:	1 – 500V
Frequency:	50 – 60Hz
Output voltage:	3 – 1000V (AC or DC)
Construction / Insulation class:	II / B (130°C)
Ambient temperature:	40°C
Protection degree:	up to IP-65
Insulation voltage test:	4kVAC (RMS)

Wiring diagram:



example, double secondary transformer – can be used series or parallel connected.



Standard 115V or 230V input voltage models, AC or DC output voltage

Type	Nominal Power [VA]	OUTPUT voltage [VAC] or [VDC]	Dimensions		
			A [mm]	C [mm]	B [mm]
TSO(AD) 50VA *P	50	12 – 400	90	110	40
TSO(AD) 100VA P	100	12 – 400	150	130	55
TSO(AD) 200VA P	200	12 – 400	150	130	55
TSO(AD) 300VA P	300	12 – 400	165	180	60
TSO(AD) 50VA **M	50	12 – 400	95	145	45
TSO(AD) 100VA M	100	12 – 400	130	180	50
TSO(AD) 200VA M	200	12 – 400	130	180	50
TSO(AD) 300VA M	300	12 – 400	130	180	50
TSO(AD) 400VA M	400	12 – 400	130	180	50
TSO(AD) 500VA M	500	12 – 400	165	190	80
TSO(AD) 600VA M	600	12 – 400	165	190	80
TSO(AD) 800VA M	800	12 – 400	165	190	80
TSO(AD) 1000VA M	1000	12 – 400	220	220	90
TSO(AD) 1500VA M	1500	12 – 400	220	220	90
TSO(AD) 2000VA M	2000	12 – 400	220	220	90
TSO(AD) 2500VA M	2500	12 – 400	220	220	90

***P** – plastic case

****M** – metal case

Get more informations about custom made non standard encapsulated transformers : info@toroidy.pl