

# Datasheet

## PCB Transformer – Standard potted

# RS Pro

Moulded PCB mounting low voltage mains transformers with a single 230 VAC 50/60Hz primary winding. Designed according to the following specifications.

- Independent secondary windings suitable for series/parallel connection to give a wide range of output voltage and current options
- High efficiency and low temperature rise
- Double section bobbin providing double insulation with the potting material
- Low interwinding capacity
- Low radiated noise
- 100% electrical and flash tested



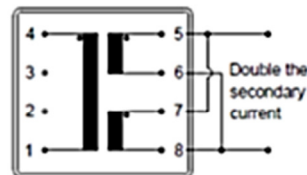
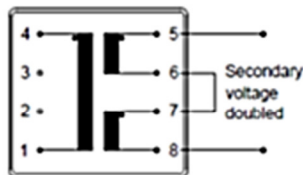
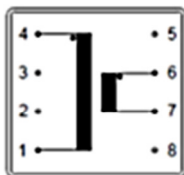
### Specifications

Power:	0.35-10 VA
Frequency:	50/60 Hz
Primary:	230 VAC, +/-10%
Secondary:	6; 9; 12; 2x6; 2x9; 2x12; 2x15 or 2x18
Isolation:	4 kV RMS
Protection class:	II
Protection index:	IP00
Temp. class:	B (130°)
According to:	BS/EN 61558-1, AS/NZS 61558.1 and BS/EN 61558-2-6, AS/NZS 61558.2.6

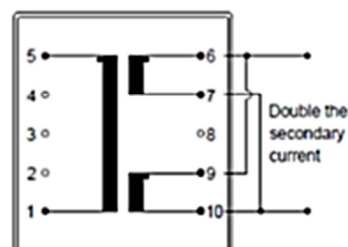
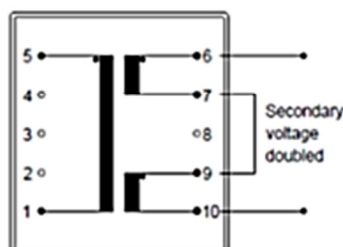
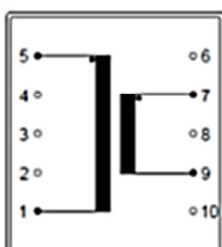


### Connection scheme:

#### 0.35 VA & 0.5 VA

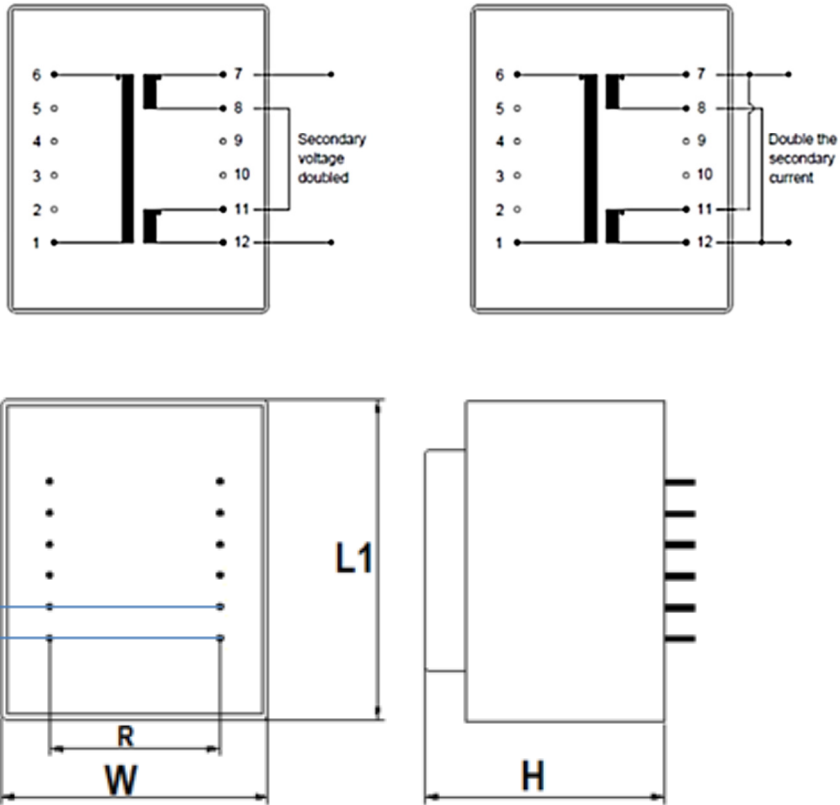


#### 1.5 VA & 2.3 VA & 2.8 VA & 3.2 VA



Schematics:

5 VA & 7.5VA & 10VA



Dimensions:

Power	Dimensions			Pins		Weight
[VA]	L1 [mm]	W [mm]	H [mm]	R [mm]	Spaces	[kg]
0.35	22	23	15	15	2x4	0.03
0.5	22	23	20	15	2x4	0.05
1.5 <sup>1</sup>	31	28	27	20	2x5	0.075
1.5	32.5	27.5	24	20	2x5	0.085
2.3	32.5	27.5	29.5	20	2x5	0.11
2.8	32.5	27.5	34.5	20	2x5	0.14
3.2	41	35.5	28	25	2x5	0.15
5	45	38	32	25	2x6	0.20
7.5	51	43	35	27.5	2x6	0.295
10	51	43	35	27.5	2x6	0.30

**Ordering information:**

RS Stock number	Power VA	Specification	Primary [V]	Secondary voltage [V]	Secondary current [mA]	No-load voltage $\pm 10\%$ [V]
1213819	0.35	PCB mount transformer 0.35VA 1x6 o/p	230	6	58.3	9.7
1213820	0.35	Transformer PCB 0.35VA 2x6V	230	2x6	29.1	2 x 9.7
1213821	0.5	Transformer PCB 0.5VA 2x6V	230	2x6	41.6	10.0
1213822	1.5 <sup>1</sup>	Transformer PCB 1.5VA 2x9V	230	2x9	83.3	2 x 12.5
1213823	1.5	Transformer PCB 1.5VA 2x9V	230	2x9	83.3	2 x 13.5
1213824	1.5	PCB mount transformer 1.5VA 1x12 o/p	230	12	125.0	17.0
1213825	1.5	Transformer PCB 1.5VA 2x12V	230	2x12	62.5	2 x 18.0
1213826	1.5	Transformer PCB 1.5VA 2x15V	230	2x15	50.0	2 x 22.0
1213827	2.3	Transformer PCB 2.3VA 2x6V	230	2x6	191.6	2 x 9.0
1213828	2.3	Transformer PCB 2.3VA 2x9V	230	2x9	127.7	2 x 13.5
1213829	2.3	Transformer PCB 2.3VA 2x12V	230	2x12	95.8	2 x 18.0
1213830	2.3	Transformer PCB 2.3VA 2x15V	230	2x15	76.6	2 x 22.4
1213832	2.8	PCB mount transformer 2.8VA 1x9 o/p	230	9	311.1	12.8
1213833	3.2	Transformer PCB 3.2VA 2x9V	230	2x9	177.7	2 x 12.0
1213834	3.2	Transformer PCB 3.2VA 2x15V	230	2x15	106.6	2 x 20.0
1213838	5.0	Transformer PCB 5VA 2x18V	230	2x18	138.8	2 x 23.4
1213843	7.5	Transformer PCB 7.5VA 2x6V	230	2x6	625.0	2 x 7.6
1213844	7.5	Transformer PCB 7.5VA 2x15V	230	2x15	250.0	2 x 19.0
1213845	10	Transformer PCB 10VA 2x9V	230	2x9	555.5	2 x 11.4
1213847	10	Transformer PCB 10VA 2x12V	230	2x12	416.6	2 x 15.5
1213848	10	Transformer PCB 10VA 2x12V	230	2x12	416.6	2 x 15.2