

FEATURES

- Primary voltage rating of 230V ac
- Secondary voltage rating of 6, 9, 12, 2x6, 2x9, 2x12, 2x15 or 2x18V ac
- Power rating of 0.35 - 16VA
- Low radiated noise
- High efficiency and low temperature rise
- Operating frequency of 50/60Hz
- Maximum temperature of 130°C
- Isolation of 4kV RMS
- Protection class IP00

RS PRO PCB Transformers – Standard Potted



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

Potted 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

General Specifications

Number of Outputs	1 or 2
Output Protection Type	Short circuit proof up to 3VA. Suggested fusing according to current rating
Applications	Various electronics, electronic and electrical control systems, relays

Mechanical Specifications

Mounting Type	PCB mount
Length	22 - 58mm
Width	23 - 48mm
Depth	15 - 40mm
Weight	25 - 440g

Electrical Specifications

Power Rating	0.35 - 16VA
Primary Voltage Rating	230V ac
Secondary Voltage Rating	6, 9, 12, 2x6, 2x9, 2x12, 2x15 or 2x18V ac
Isolation	4kV RMS
Temperature Class	B (130°C)

Input Data	
Rated Input Voltage	230V ac
Switch-On Time	100%
Minimum Operating Frequency	50Hz
Maximum Operating Frequency	60Hz

Output Data	
Rated Output Voltage	6, 9, 12, 2x6, 2x9, 2x12, 2x15 or 2x18V ac
Rated Power	0.35 – 16VA

Protection Category

IP Rating	IP00
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Approvals

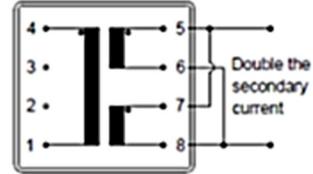
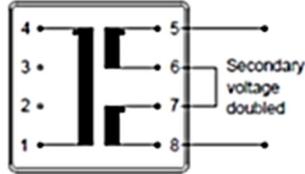
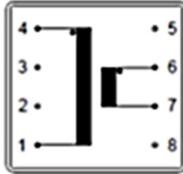
Declarations	MFR Declaration of Conformity
Compliance/Certifications	RoHS, CE
Standards Met	IEC/BS/EN 61558-1 AS/NZS 61558.1 IEC/BS/EN 61558-2-6 AS/NZS 61558.2.6

Order Details

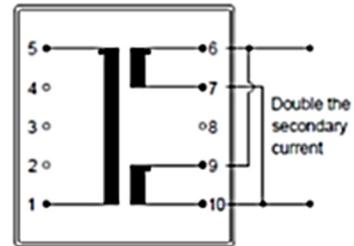
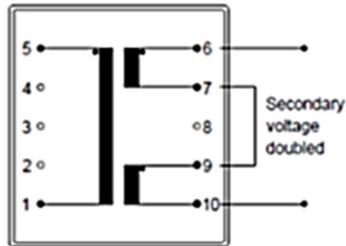
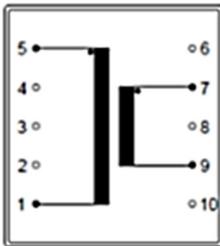
RS Stock number	Power VA	Specification	Primary [V]	Secondary voltage [V]	Secondary current [mA]	No-load voltage $\pm 10\%$ [V]
1213819	0.35	PCB mount transformer 0.35VA 1x6 o/p	230	6	58.3	9.7
113950	0.35	Transformer PCB 0.35VA 1x24V	230	24	14.6	36.8
1213820	0.35	Transformer PCB 0.35VA 2x6V	230	2x6	29.1	2 x 9.7
1213821	0.5	Transformer PCB 0.5VA 2x6V	230	2x6	41.6	10.0
113952	0.5	Transformer PCB 0.5VA 2x9V	230	2x9	27.8	14.9
1213822	1.5 ¹	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
113953	2.8	PCB mount transformer 2.8VA 1x12 o/p	230	12	233	17.6
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
113955	5	Transformer PCB 5VA 2x12V	230	2x12	208	15.7
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
113956	16	Transformer PCB 16VA 2x9V	230	2x9	889	10.6

Mechanical Drawings

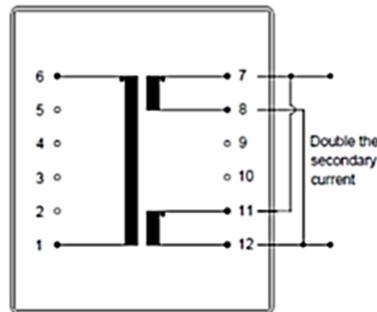
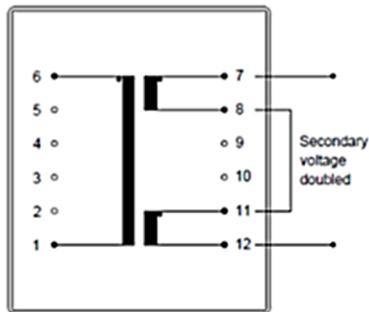
0.35 VA & 0.5 VA



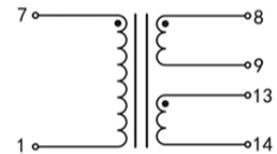
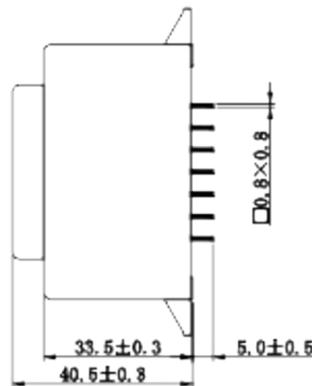
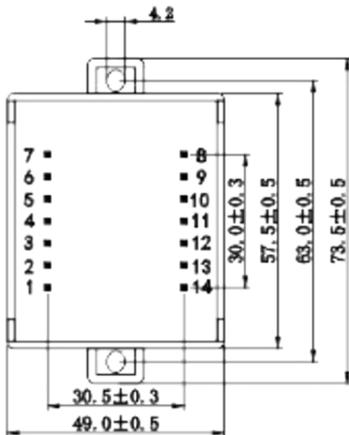
1.5 VA & 2.3 VA & 2.8 VA & 3.2 VA

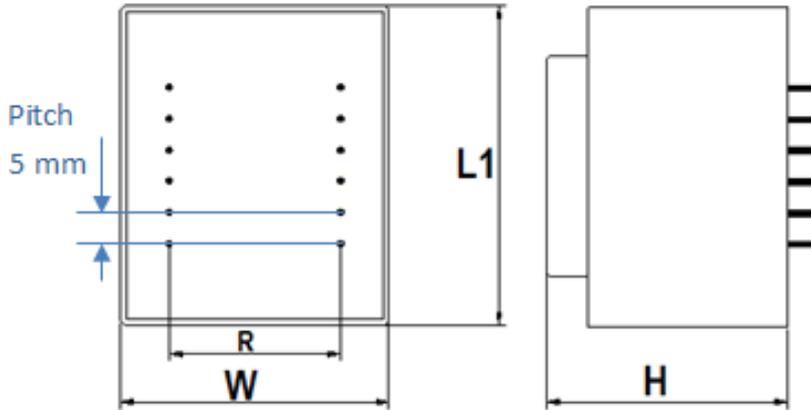


5 VA & 7.5VA & 10VA



16 VA





Power [VA]	Dimensions			Pins		Weight [kg]
	L1 [mm]	W [mm]	H [mm]	R [mm]	Spaces	
0.35	22	23	15	15	2x4	0.03
0.5	22	23	20	15	2x4	0.05
1.5 ¹	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
16	58	49	40	32.5	2x7	0.43