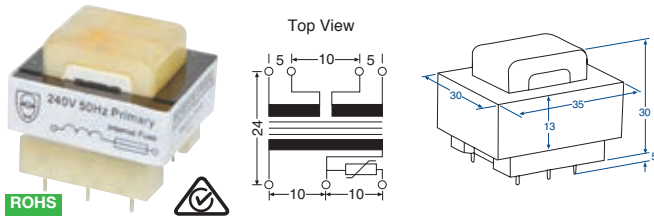


▼ PCB Mount EI Core

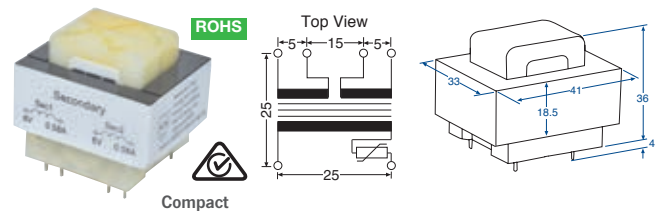
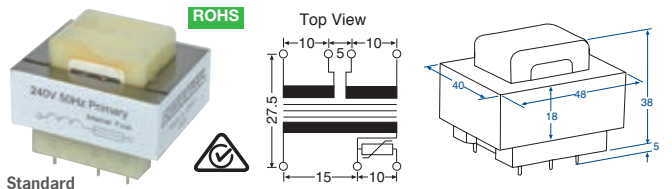
3VA PCB Mount



Cat. No.	Sec. V	Sec. Parallel	Sec. Series	Primary voltage:	240V AC
M 7012A	6 + 6	0.5A	0.25A	Total VA rating:	3VA
M 7015A	7.5 + 7.5	0.4A	0.2A	Insulation:	Class B (130°C)
M 7018A	9 + 9	0.33A	0.166A	Magnetising current:	<20mA
M 7024A	12 + 12	0.25A	0.125A	Temperature rise:	<65°C
M 7030A	15 + 15	0.2A	0.1A	Regulation:	≈23%
				Weight:	≈95g
				PCB hole size:	0.8mm
				Thermal fuse:	Internal 115°C

Price Each	RRP	4+	10+
ALL	10.95	9.90	8.80

7VA PCB Mount



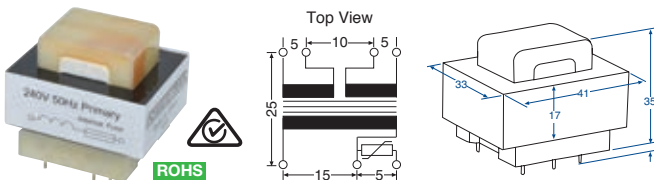
Standard	Compact	Sec. V	Sec. Parallel	Sec. Series
M 7152	M 7112A	6 + 6	1.166A	0.583A
M 7155	M 7115A	7.5 + 7.5	0.933A	0.466A
M 7158	M 7118A	9 + 9	0.77A	0.388A
M 7164	M 7124A	12 + 12	0.58A	0.29A
M 7170	M 7130A	15 + 15	0.466A	0.233A

Compact series are compatible with Arlec/Stadium®.

Primary voltage:	240V AC	Weight:	≈265g
Total VA rating:	7VA	PCB hole size:	1mm
Insulation:	Class B (130°C)	Thermal fuse:	Internal 115°C
Magnetising current:	<30mA	Approval:	Q04081 or ESO140901
Temperature rise:	<65°C		
Regulation:	≈11%		

Price Each	RRP	4+	10+
Standard	13.50	12.15	10.80
Compact	14.95	13.50	11.95

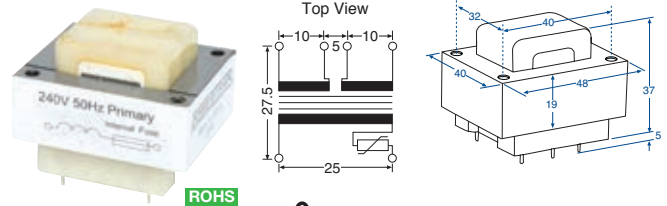
5VA PCB Mount



Cat. No.	Sec. V	Sec. Parallel	Sec. Series	Primary voltage:	240V AC
M 7052A	6 + 6	0.83A	0.416A	Total VA rating:	5VA
M 7055A	7.5 + 7.5	0.66A	0.33A	Insulation:	Class B (130°C)
M 7058A	9 + 9	0.55A	0.277A	Magnetising current:	<30mA
M 7064A	12 + 12	0.416A	0.208A	Temperature rise:	<65°C
M 7070A	15 + 15	0.333A	0.166A	Regulation:	≈20%
				Weight:	≈175g
				PCB hole size:	1mm
				Thermal fuse:	Internal 115°C

Price Each	RRP	4+	10+
ALL	11.95	10.80	9.60

Compact 10VA PCB Mount

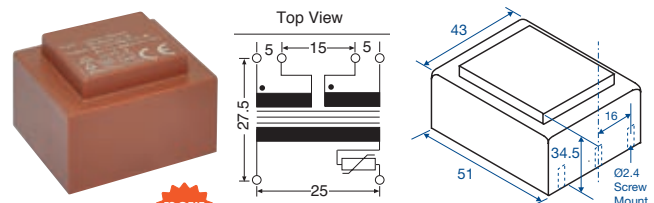


Physical dimensions compatible with Arlec/Stadium® series

Cat. No.	Sec. V	Sec. Parallel	Sec. Series	Primary voltage:	240V AC
M 7255	7.5 + 7.5	1.33A	0.66A	Total VA rating:	10VA
M 7258	9 + 9	1.1A	0.55A	Insulation:	Class B (130°C)
M 7264	12 + 12	0.83A	0.41A	Magnetising current:	<30mA
M 7270	15 + 15	0.66A	0.33A	Temperature rise:	<65°C
				Regulation:	≈11%
				Weight:	≈250g
				PCB hole size:	1mm
				Thermal fuse:	Internal 115°C
				Approval:	Q04081 or ESO140901

Price Each	RRP	4+	10+
ALL	16.50	14.85	13.20

10VA Potted EI Core



Cat. No.	Sec. V	Sec. Parallel	Sec. Series	Primary voltage:	240V AC
M 7506	6 + 6	1.66A	0.83A	Total VA rating:	10VA
M 7507	7.2 + 7.2	1.38A	0.69A	Insulation:	Class B (130°C)
M 7509	9 + 9	1.11A	0.55A	Magnetising current:	≈35mA
M 7512	12 + 12	0.83A	0.41A	Temperature rise:	<70°C
M 7515	15 + 15	0.66A	0.33A	Regulation:	≈13%
				Weight:	≈320g
				PCB hole size:	0.8mm
				Thermal fuse:	Internal 115°C

Price Each	RRP	4+	10+
ALL	15.75	14.15	12.50

Transformer Data

A transformer's VA rating is calculated by multiplying the secondary AC voltage and the secondary AC current. For example, a 24V, 2A transformer would have a rating of 48VA. Fig. 1 shows a full wave, centre tapped, rectifier circuit, allowing more current at a lower voltage (for the same VA rating) than the standard full wave bridge arrangement shown in fig. 2. Fig. 3 shows a half wave rectifier with a capacitor filter.

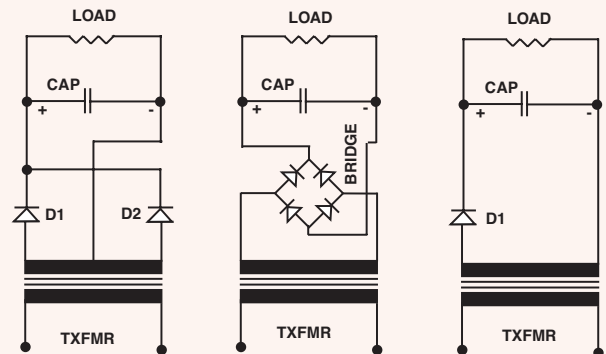


Fig.1 Full wave rectifier
Volts DC = 0.71 x Volts AC.
Amps DC = Amps AC

Fig.2 Bridge rectifier
Volts DC = 1.41 x Volts AC.
Amps DC = 0.62 x Amps AC

Fig.3 Half wave rectifier
Volts DC = 1.41 x Volts AC.
Amps DC = 0.28 x Amps AC

Volts AC = Transformer secondary voltage, Volts DC = Supply output voltage, Amps AC = Transformer max secondary current, Amps DC = Maximum supply output current