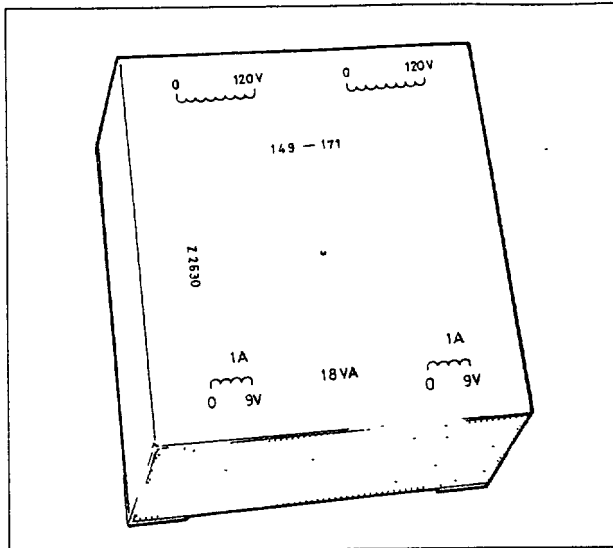


78 - 378

178 - 367 to 382



TRANSFORMERS

## LOW PROFILE ENCAPSULATED TRANSFORMERS

### To VDE 0550 and BS 415 2VA to 30VA PCB mounting range

This range of low profile transformers is mounted in resin filled thermoplastic cases and is designed to be through hole soldered to PCB's. Mechanical fixing is by way of four screws (No6 x 9.5mm), using holes moulded into the corners of the case.

Twin primary and secondary windings are wound on separate bobbins, giving maximum isolation for enhanced safety and low interwinding capacitance. The near circular shape of the transformer core results in low magnetic flux leakage. All transformers are subjected to 4 kV AC insulation tests and manufactured to VDE 0550 Class 2, BS 415 Class 2 and insulation classification E 120°C. Secondary voltage tolerance is within 5% at full load. Twin primary windings give 240V or 120V operation with various voltage/current output combinations.

- ▶ 2 to 30 VA ranges, 38 models
- ▶ Twin primaries for 240 or 120 volt operation
- ▶ Manufactured in accordance with BS 415 Class 2 and VDE 0550 Class 2
- ▶ Low interwinding capacitance and low magnetic flux
- ▶ Secondary voltage tolerance <5% at full load
- ▶ Two independent secondaries, 6V to 24V



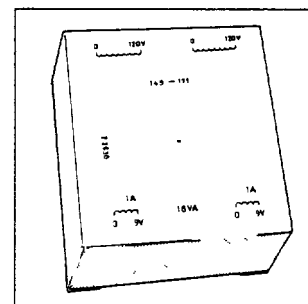
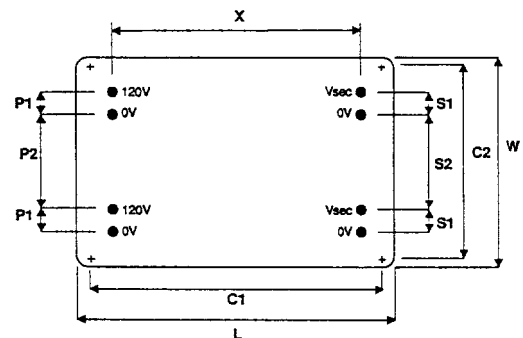
**Farnell**  
WINDINGS

LOW PROFILE  
ENCAPSULATED  
TRANSFORMERS

TRANSFORMERS

Order Codes

|                                      | CODE  |
|--------------------------------------|-------|
| <b>2VA - 34% typical regulation</b>  |       |
| 0 - 6V, 0 - 6V @ 0.17A               | Z2594 |
| 0 - 9V, 0 - 9V @ 0.11A               | Z2595 |
| 0 - 12V, 0 - 12V @ 0.085A            | Z2596 |
| <b>4VA - 24% typical regulation</b>  |       |
| 0 - 6V, 0 - 6V @ 0.33A               | Z2601 |
| 0 - 9V, 0 - 9V @ 0.22A               | Z2602 |
| 0 - 12V, 0 - 12V @ 0.165A            | Z2603 |
| 0 - 18V, 0 - 18V @ 0.11A             | Z2605 |
| 0 - 24V, 0 - 24V @ 0.083A            | Z2606 |
| <b>6VA - 24% typical regulation</b>  |       |
| 0 - 6V, 0 - 6V @ 0.50A               | Z2608 |
| 0 - 9V, 0 - 9V @ 0.33A               | Z2609 |
| 0 - 12V, 0 - 12V @ 0.25A             | Z2610 |
| 0 - 15V, 0 - 15V @ 0.20A             | Z2611 |
| 0 - 18V, 0 - 18V @ 0.165A            | Z2612 |
| 0 - 24V, 0 - 24V @ 0.125A            | Z2613 |
| <b>10VA - 26% typical regulation</b> |       |
| 0 - 6V, 0 - 6V @ 0.83A               | Z2615 |
| 0 - 9V, 0 - 9V @ 0.55A               | Z2616 |
| 0 - 12V, 0 - 12V @ 0.42A             | Z2617 |
| 0 - 15V, 0 - 15V @ 0.335A            | Z2618 |
| 0 - 18V, 0 - 18V @ 0.28A             | Z2619 |
| 0 - 24V, 0 - 24V @ 0.21A             | Z2620 |
| <b>18VA - 17% typical regulation</b> |       |
| 0 - 6V, 0 - 6V @ 1.50A               | Z2629 |
| 0 - 9V, 0 - 9V @ 1.00A               | Z2630 |
| 0 - 12V, 0 - 12V @ 0.35A             | Z2631 |
| 0 - 15V, 0 - 15V @ 0.60A             | Z2632 |
| 0 - 18V, 0 - 18V @ 0.50A             | Z2633 |
| 0 - 24V, 0 - 24V @ 0.375A            | Z2634 |
| <b>24VA - 24% typical regulation</b> |       |
| 0 - 6V, 0 - 6V @ 2.00A               | Z2636 |
| 0 - 9V, 0 - 9V @ 1.33V               | Z2637 |
| 0 - 12V, 0 - 12V @ 1.00A             | Z2638 |
| 0 - 15V, 0 - 15V @ 0.80A             | Z2639 |
| 0 - 18V, 0 - 18V @ 0.66A             | Z2640 |
| 0 - 24V, 0 - 24V @ 0.50A             | Z2641 |
| <b>30VA - 24% typical regulation</b> |       |
| 0 - 6V, 0 - 6V @ 2.50A               | Z2643 |
| 0 - 9V, 0 - 9V @ 1.60A               | Z2644 |
| 0 - 12V, 0 - 12V @ 1.25A             | Z2645 |
| 0 - 15V, 0 - 15V @ 1.00A             | Z2646 |
| 0 - 18V, 0 - 18V @ 0.83A             | Z2647 |
| 0 - 24V, 0 - 24V @ 0.625A            | Z2648 |



Transformer specifications

|                                                | 2VA  | 4VA  | 6VA  | 10VA | 18VA | 24VA | 30VA |
|------------------------------------------------|------|------|------|------|------|------|------|
| Width mm                                       | 44   | 44   | 44   | 57   | 57   | 57   | 57   |
| Height mm                                      | 17   | 19   | 22.6 | 22.8 | 27.6 | 31.4 | 35.8 |
| Length mm                                      | 53   | 53   | 53   | 68   | 68   | 68   | 68   |
| Weight g                                       | 115  | 145  | 175  | 280  | 375  | 450  | 515  |
| Fixing centres mm                              |      |      |      |      |      |      |      |
| C1                                             | 47.5 | 47.5 | 47.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| C2                                             | 37.5 | 37.5 | 37.5 | 50   | 50   | 50   | 50   |
| Pin configuration (to suit 1 mm diameter hole) |      |      |      |      |      |      |      |
| P1                                             | 10   | 10   | 10   | 15   | 15   | 15   | 15   |
| P2                                             | 15   | 15   | 15   | 16   | 16   | 16   | 16   |
| S1                                             | 5    | 5    | 5    | 10   | 10   | 10   | 10   |
| S2                                             | 25   | 25   | 25   | 26   | 26   | 26   | 26   |
| X                                              | 35   | 35   | 35   | 45   | 45   | 45   | 45   |