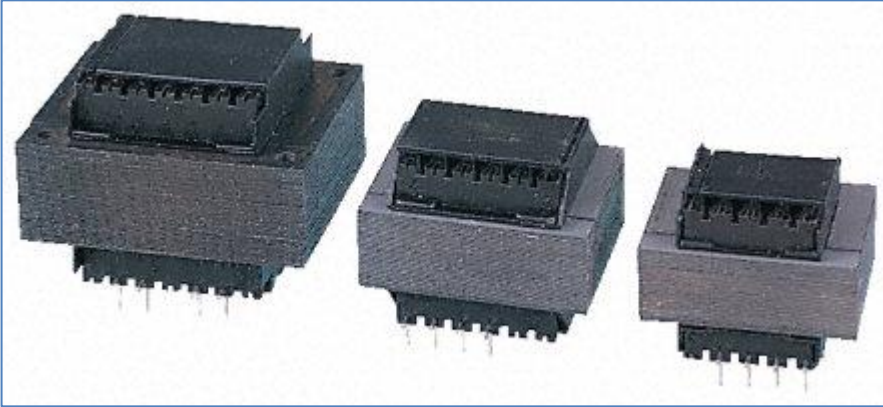


Professionally approved products.

## Datasheet

# 6 V ac 2 Output Through Hole PCB Transformer, 3VA

RS Stock number [504-486](#)



## Description:

### 230 Vac Primary Transformers

Fully shrouded bobbins

Extra pins for secure board mounting

100% electrical and flash tested

Tested in accordance with BS3535 and EN 60 742

### 3VA PCB Mount, 230v Primary Transformer Specification

Nominal Input Voltage: 230v +/-10%, 50/60Hz

No-load Input Current @ 230V 50Hz: 30mA (rms) max.

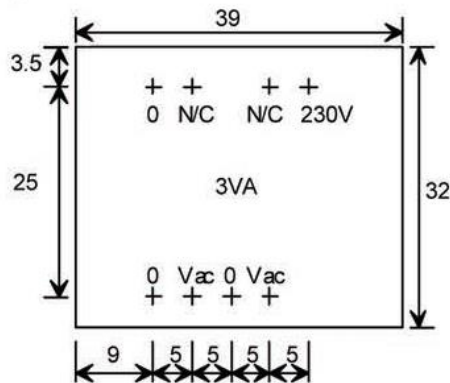
| Stock Number | Full Load Output<br>Voltage +/-5% @ 3VA | Secondary Resistance<br>$\Omega$ +/- 15% @ 20 degree C |
|--------------|---|--|
| 504454       | 5 + 5                                   | 2.55 + 2.96  |
| 504486       | 6 + 6                                   | 3.83 + 4.48  |
| 504492       | 9 + 9                                   | 8.1 + 9.3  |
| 504464       | 12 + 12                                 | 14.8 + 17.3  |
| 504470       | 15 + 15                                 | 21.4 + 25  |
| 504476       | 20 + 20                                 | 41.6 + 48.7  |
| 504509       | 24 + 24                                 | 61.4 + 71.4  |

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|                                   |  |
|-----------------------------------|--|
| Primary Winding Resistance:       | 1167 $\Omega$ +/- 15% @ 20 degree C  |
| Regulation:                       | < 22% typical* for range   |
| Maximum Winding Temperature Rise: | 55 degree C  |
| Efficiency:                       | > 67%  |
| Iron Loss:                        | 0.45W  |
| Copper Loss:                      | 1.05W  |
| Flash Test:                       | Primary/Secondary's Windings/Core<br>4KV rms For 6 Seconds<br>2KV rms For 6 Seconds            |
| Insulation Test:                  | Primary/Secondary's/Core<br>>50M $\Omega$ @ 500Vdc @ 20degree C                                |
| Over potential Test:              | 460V 500Hz applied across primary, secondary's open circuit. (Type Test Only)                  |
| Core Material:                    | M6/35  |
| Winding Wire:                     | BS6811 Section 3.1 Grade 1   |
| Bobbin and Full Shrouds:          | Split Section, Glass Filled Nylon  |
| Overall Insulation Rating:        | Class B (130.C)  |
| Finish:                           | Class F Stoved Varnish   |
| Dimensions:                       | 39mm wide x 30mm high x 32mm deep (nominal)<br>In the area of the pin heel, depth becomes 35mm |
| Pins:                             | 1mm dia 5mm long   |
| Weight:                           | 0.14Kg nominal   |

\* Calculated as Regulation =  $\frac{(V_{NL} - V_{FL})}{V_{NL}} \times 100\%$

All tolerances and production tests in accordance with EN61558 (EN60742)



**PIN LAYOUT**