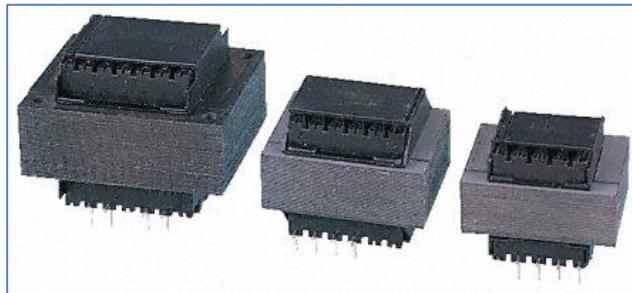


Professionally approved products.

Datasheet

12 V ac 2 Output Through Hole PCB Transformer, 3VA

RS Stock number [504-397](#)



Description:

PCB Mount 115/230Vac Transformer

Twin 115Va.c. 50/60Hz primary windings which may be connected in series for 230V or parallel for 115V operation.

- Fully shrouded bobbins
- 100% electrical and flash tested
- Tested in accordance with BS3535 and EN 60 742

Open Frame - Laminated

PCB mounting mains transformers with a single 230Va.c. or twin 115Va.c. 50/60Hz primary winding. Independent secondary windings may be connected in series or parallel to give a wide range of output voltage and current options.

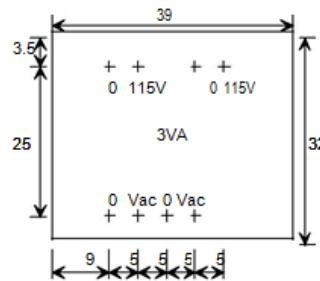
- Double section metric bobbin construction
- Full varnish impregnation

Professionally approved products.

Specifications:

Maximum Operating Frequency:	60Hz
Minimum Operating Frequency:	50Hz
Mounting Type:	Through Hole
Number of Outputs:	2
Power Rating:	3VA
Primary Voltage Rating:	115 V ac, 230 V ac
Secondary Voltage Rating:	12 V ac
Nominal Input Voltage:	0-115V +/-10%, 50/60Hz
No-load Input Current @ 230V 50Hz:	30mA (RMS) max.
Full Load Output Voltage +/-5% @ 3VA:	12 + 12
Secondary Resistance Ω +/- 15% @ 20.C:	14.8 + 17.3
Primary Winding Resistance:	570 + 625 +/- 15% @ 20.C
Regulation:	< 22% typical for range
Maximum Winding Temperature Rise:	55.C
Efficiency:	> 67%
Iron Loss:	0.45W
Copper Loss:	1.05W
Flash Test:	Primary/Secondary's 4KV RMS For 6 Seconds Windings/Core 2KV RMS For 6 Seconds
Insulation Test:	Primary/Secondary's/Core >50M Ω @ 500Vdc @20.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) In the area of the pin heel, depth becomes 35mm.
Pins:	1mm dia 5mm long
Weight:	0.14Kg nominal

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



PIN LAYOUT