



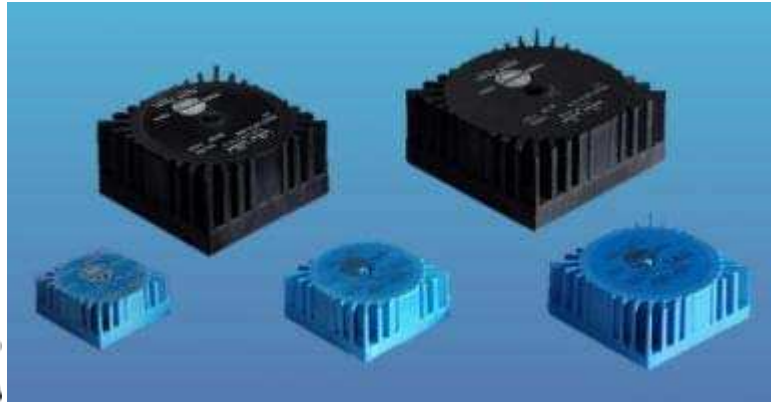
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**EN:** This Datasheet is presented by the manufacturer.

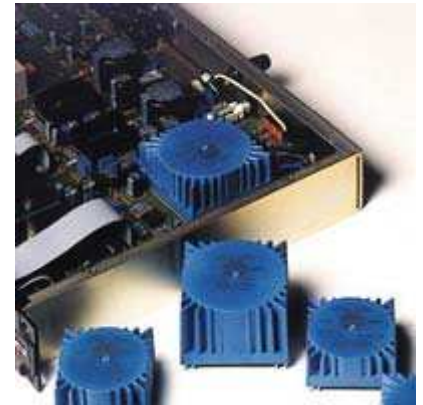
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## Power Transformers - PCB Mounting - 2x115V Primary



High quality low profile encapsulated toroidal transformers with two 115V, 50/60Hz primary windings suitable for connection in series to 230V supply, or parallel to 115V supply. Twin secondary windings may be connected in series or parallel or used independently.

- **Very Small size and low weight compared with traditional stacked lamination types.**
- **Extremely low level of radiated magnetic field**
- **Very low induced noise (hum)**
- **Very low iron loss.**
- **100% electrical and flash tested**
- **High quality manufacturing and testing in accordance to EN61558, EN60742, EN60950, EN60065, VDE0551, VDE0550 and BS415**
- **UL Recognised to UL506, under family approval file E215495**



**Series 7000K - Two 115V primary windings for series or parallel connections.**

| <b>Power VA</b> | <b>Part Number</b> | <b>Sec-Full Load Voltage</b> | <b>Current mA</b> | <b>Open Circuit Voltage</b> |
|-----------------|--------------------|------------------------------|-------------------|-----------------------------|
| 1.6             | 70000              | 2x7                          | 114               | 2x9.3                       |
|                 | 70001              | 2x9                          | 89                | 2x12.0                      |
|                 | 70002              | 2x12                         | 67                | 2x16.0                      |
|                 | 70003              | 2x15                         | 53                | 2x20.0                      |
|                 | 70004              | 2x18                         | 44                | 2x23.9                      |
|                 | 70005              | 2x22                         | 36                | 2x29.3                      |
| 3.2             | 70010              | 2x7                          | 229               | 2x10.1                      |
|                 | 70011              | 2x9                          | 178               | 2x13.0                      |
|                 | 70012              | 2x12                         | 133               | 2x17.3                      |
|                 | 70013              | 2x15                         | 107               | 2x21.6                      |
|                 | 70014              | 2x18                         | 89                | 2x25.9                      |
|                 | 70015              | 2x22                         | 73                | 2x31.7                      |
| 5.0             | 70020              | 2x7                          | 357               | 2x10.3                      |
|                 | 70021              | 2x9                          | 278               | 2x13.2                      |
|                 | 70022              | 2x12                         | 208               | 2x17.6                      |
|                 | 70023              | 2x15                         | 167               | 2x22.1                      |
|                 | 70024              | 2x18                         | 139               | 2x26.5                      |
|                 | 70025              | 2x22                         | 114               | 2x32.3                      |
| 7.0             | 70030              | 2x7                          | 500               | 2x9.5                       |
|                 | 70031              | 2x9                          | 389               | 2x12.5                      |
|                 | 70032              | 2x12                         | 292               | 2x16.2                      |
|                 | 70033              | 2x15                         | 233               | 2x20.3                      |
|                 | 70034              | 2x18                         | 194               | 2x24.3                      |
|                 | 70035              | 2x22                         | 159               | 2x29.7                      |
| 10.0            | 70040              | 2x7                          | 714               | 2x8.5                       |
|                 | 70041              | 2x9                          | 556               | 2x11.0                      |
|                 | 70042              | 2x12                         | 417               | 2x14.6                      |
|                 | 70043              | 2x15                         | 333               | 2x18.3                      |
|                 | 70044              | 2x18                         | 278               | 2x22.0                      |
|                 | 70055              | 2x22                         | 227               | 2x26.8                      |
| 15.0            | 70050              | 2x7                          | 1071              | 2x8.7                       |
|                 | 70051              | 2x9                          | 833               | 2x11.2                      |
|                 | 70052              | 2x12                         | 625               | 2x14.9                      |
|                 | 70053              | 2x15                         | 500               | 2x18.6                      |
|                 | 70054              | 2x18                         | 417               | 2x22.3                      |
|                 | 70055              | 2x22                         | 341               | 2x27.3                      |
| 25.0            | 70060              | 2x7                          | 1785              | 2x8.3                       |
|                 | 70061              | 2x9                          | 1377              | 2x10.7                      |
|                 | 70062              | 2x12                         | 1041              | 2x14.3                      |
|                 | 70063              | 2x15                         | 832               | 2x17.8                      |
|                 | 70064              | 2x18                         | 694               | 2x21.4                      |
|                 | 70065              | 2x22                         | 568               | 2x26.2                      |
| 35.0            | 70070              | 2x7                          | 2500              | 2x8.2                       |
|                 | 70071              | 2x9                          | 1944              | 2x10.6                      |
|                 | 70072              | 2x12                         | 1458              | 2x14.1                      |
|                 | 70073              | 2x15                         | 1167              | 2x17.7                      |
|                 | 70074              | 2x18                         | 972               | 2x21.2                      |
|                 | 70075              | 2x22                         | 795               | 2x25.9                      |
| 50.0            | 70080              | 2x7                          | 3571              | 2x8.1                       |
|                 | 70081              | 2x9                          | 2777              | 2x10.4                      |
|                 | 70082              | 2x12                         | 2083              | 2x13.9                      |
|                 | 70083              | 2x15                         | 1666              | 2x17.3                      |
|                 | 70084              | 2x18                         | 1388              | 2x20.8                      |
|                 | 70085              | 2x22                         | 1136              | 2x25.4                      |

## STANDARD TOROIDAL TRANSFORMER, PC MOUNT, MECHANICAL DATA

| Power VA | Dimensions L x W x H mm | Pin Layout XY mm | Pin Layout Pin Size mm | Weight Total gr | Weight Cu gr | Regulation No Load / Full Load % |
|----------|-------------------------|------------------|------------------------|-----------------|--------------|----------------------------------|
| 1.6      | 39.6 x 39.6 x 18.5      | 35.56            | 1.0 x 0.5              | 82              | 20           | 33                               |
| 3.2      | 44.7 x 44.7 x 19.5      | 40.64            |                        | 110             | 26           | 44                               |
| 5.0      | 49.7 x 49.7 x 19.5      | 45.72            |                        | 144             | 33           | 47                               |
| 7.0      | 49.7 x 49.7 x 23.1      | 45.72            |                        | 174             | 36           | 35                               |
| 10.0     | 55.0 x 55.0 x 26.0      | 50.80            | 1.0 x 0.5              | 252             | 45           | 22                               |
| 15.0     | 60.0 x 60.0 x 26.3      | 55.88            |                        | 304             | 57           | 24                               |
| 25.0     | 60.0 x 60.0 x 37.5      | 55.88            |                        | 435             | 85           | 19                               |
| 35.0     | 72.0 x 72.0 x 37.5      | 66.04            | 1.0 x 1.0              | 525             | 187          | 17                               |
| 50.0     | 82.4 x 82.4 x 37.5      | 76.20            |                        | 685             | 209          | 16                               |

- Primary-Secondary test voltage 4.0 KV (VDE 0550).
- Primaries and secondaries for parallel or series hookup.
- Ambient operating temperature +60 °C maximum.
- Insulation Class A (105 °C)

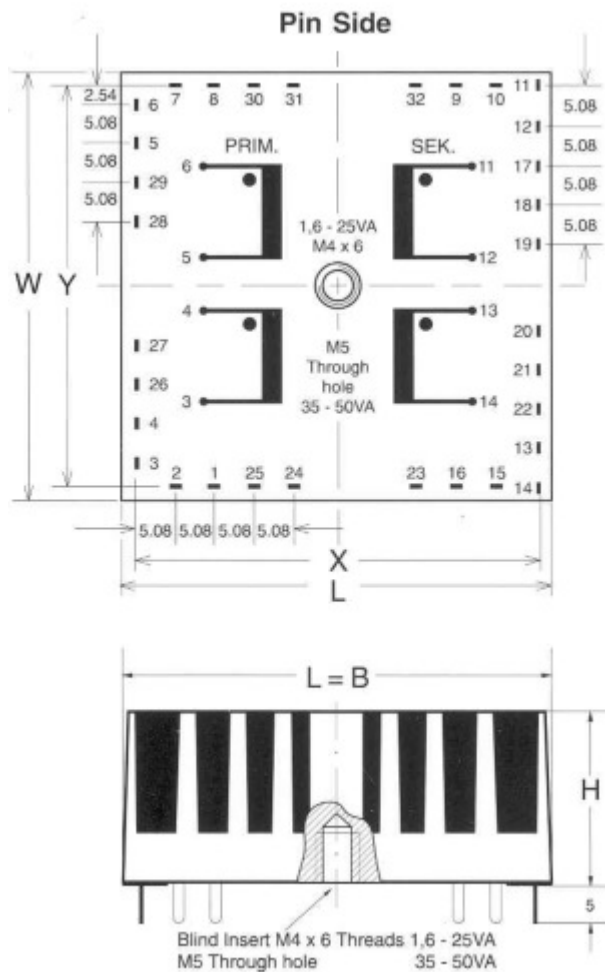
Specifications subject to change, Custom models available on request.

For 230 volt operation, connect primaries in series by connecting pins 5 & 4 together and apply 230 volts across pins 6 & 3.

For 115 volt operation, connect primaries in parallel by connecting pins 6 & 4 together and pins 5 & 3 together, apply 115 volts across pins 6 & 5.

To parallel the secondaries, connect pins 14 to 12 and 13 to 11 take the output across pins 14 and 13.

To place the secondaries in series, connect pins 13 to 12 and take the output across pins 14 and 11.



Dimensions in mm.  
Electrical measurements @20°C ambient temperature.