

# Printed Circuit Mount Power Transformers

## Miniature Low Power Transformers



Signal's PC low power transformers are designed to operate between 50 Hz and 500 Hz without any degradation in output voltage.

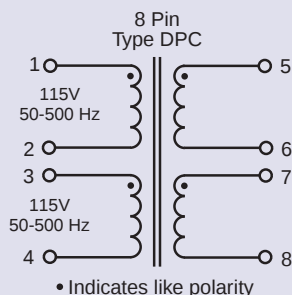
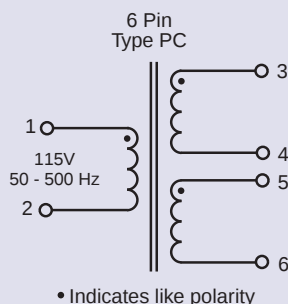
### General Specifications

- Power - 1.0 VA to 24 VA
- Dielectric Strength - 1500 Vrms Hipot
- Primaries - Single or dual primaries, 115 V or 115/230 V, 50-500 Hz
- Dual Secondaries - Series or parallel
- Insulation System - Class B, 130° C, UL 1446 E66312
- Mounting Brackets - see chart

### Agency Certifications

- UL recognized to UL 506 / UL 5085-2, File # E63829
- CSA certified to C22.2 #66.1, File # 221070

| Primary 50/500 Hz    |                        | VA   | Secondary RMS Rating |              |
|----------------------|------------------------|------|----------------------|--------------|
| Single 115V<br>6 Pin | Dual 115/230V<br>8 Pin | Size | Series               | Parallel     |
| PC-10-90             | DPC-10-90              | 1.0  | 10VCT @ 90mA         | 5V @ 180mA   |
| PC-10-120            | DPC-10-120             | 1.2  | 10VCT @ 120mA        | 5V @ 240mA   |
| PC-10-440            | DPC-10-440             | 4.4  | 10VCT @ 440mA        | 5V @ 880mA   |
| PC-10-1000           | DPC-10-1000            | 10.0 | 10VCT @ 1.0A         | 5V @ 2.0A    |
| PC-10-2400           | DPC-10-2400            | 24.0 | 10VCT @ 2.4A         | 5V @ 4.8A    |
| PC-12-70             | DPC-12-70              | 1.0  | 12.6VCT @ 70mA       | 6.3V @ 140mA |
| PC-12-100            | DPC-12-100             | 1.2  | 12.6VCT @ 100mA      | 6.3V @ 200mA |
| PC-12-350            | DPC-12-350             | 4.4  | 12.6VCT @ 350mA      | 6.3V @ 700mA |
| PC-12-800            | DPC-12-800             | 10.0 | 12.6VCT @ 800mA      | 6.3V @ 1.6A  |
| PC-12-2000           | DPC-12-2000            | 24.0 | 12.6VCT @ 2.0A       | 6.3V @ 4.0A  |
| PC-16-55             | DPC-16-55              | 1.0  | 16VCT @ 55mA         | 8V @ 110mA   |
| PC-16-75             | DPC-16-75              | 1.2  | 16VCT @ 75mA         | 8V @ 150mA   |
| PC-16-260            | DPC-16-260             | 4.4  | 16VCT @ 260mA        | 8V @ 520mA   |
| PC-16-640            | DPC-16-640             | 10.0 | 16VCT @ 640mA        | 8V @ 1.28A   |
| PC-16-1500           | DPC-16-1500            | 24.0 | 16VCT @ 1.50A        | 8V @ 3.0A    |
| PC-20-45             | DPC-20-45              | 1.0  | 20VCT @ 45mA         | 10V @ 90mA   |
| PC-20-60             | DPC-20-60              | 1.2  | 20VCT @ 60mA         | 10V @ 120mA  |
| PC-20-220            | DPC-20-220             | 4.4  | 20VCT @ 220mA        | 10V @ 440mA  |
| PC-20-500            | DPC-20-500             | 10.0 | 20VCT @ 500mA        | 10V @ 1.0A   |
| PC-20-1200           | DPC-20-1200            | 24.0 | 20VCT @ 1.20A        | 10V @ 2.40A  |
| PC-24-35             | DPC-24-35              | 1.0  | 24VCT @ 35mA         | 12V @ 70mA   |
| PC-24-50             | DPC-24-50              | 1.2  | 24VCT @ 50mA         | 12V @ 100mA  |
| PC-24-180            | DPC-24-180             | 4.4  | 24VCT @ 180mA        | 12V @ 360mA  |
| PC-24-450            | DPC-24-450             | 10.0 | 24VCT @ 450mA        | 12V @ 900mA  |
| PC-24-1000           | DPC-24-1000            | 24.0 | 24VCT @ 1.0A         | 12V @ 2.0A   |
| PC-28-30             | DPC-28-30              | 1.0  | 28VCT @ 30mA         | 14V @ 60mA   |
| PC-28-40             | DPC-28-40              | 1.2  | 28VCT @ 40mA         | 14V @ 80mA   |
| PC-28-160            | DPC-28-160             | 4.4  | 28VCT @ 160mA        | 14V @ 320mA  |
| PC-28-360            | DPC-28-360             | 10.0 | 28VCT @ 360mA        | 14V @ 720mA  |
| PC-28-800            | DPC-28-800             | 24.0 | 28VCT @ 800mA        | 14V @ 1.60A  |
| PC-34-25             | DPC-34-25              | 1.0  | 34VCT @ 25mA         | 17V @ 50mA   |
| PC-34-35             | DPC-34-35              | 1.2  | 34VCT @ 35mA         | 17V @ 70mA   |
| PC-34-125            | DPC-34-125             | 4.4  | 34VCT @ 125mA        | 17V @ 250mA  |
| PC-34-300            | DPC-34-300             | 10.0 | 34VCT @ 300mA        | 17V @ 600mA  |
| PC-34-700            | DPC-34-700             | 24.0 | 34VCT @ 700mA        | 17V @ 1.40A  |
| PC-40-20             | DPC-40-20              | 1.0  | 40VCT @ 20mA         | 20V @ 40mA   |
| PC-40-30             | DPC-40-30              | 1.2  | 40VCT @ 30mA         | 20V @ 60mA   |
| PC-40-110            | DPC-40-110             | 4.4  | 40VCT @ 110mA        | 20V @ 220mA  |
| PC-40-250            | DPC-40-250             | 10.0 | 40VCT @ 250mA        | 20V @ 500mA  |
| PC-40-600            | DPC-40-600             | 24.0 | 40VCT @ 600mA        | 20V @ 1.20A  |
| PC-56-15             | DPC-56-15              | 1.0  | 56VCT @ 15mA         | 28V @ 30mA   |
| PC-56-20             | DPC-56-20              | 1.2  | 56VCT @ 20mA         | 28V @ 40mA   |
| PC-56-80             | DPC-56-80              | 4.4  | 56VCT @ 80mA         | 28V @ 160mA  |
| PC-56-180            | DPC-56-180             | 10.0 | 56VCT @ 180mA        | 28V @ 360mA  |
| PC-56-420            | DPC-56-420             | 24.0 | 56VCT @ 420mA        | 28V @ 840mA  |
| PC-120-8             | DPC-120-8              | 1.0  | 120VCT @ 8mA         | 60V @ 16mA   |
| PC-120-10            | DPC-120-10             | 1.2  | 120VCT @ 10mA        | 60V @ 20mA   |
| PC-120-35            | DPC-120-35             | 4.4  | 120VCT @ 35mA        | 60V @ 70mA   |
| PC-120-85            | DPC-120-85             | 10.0 | 120VCT @ 85mA        | 60V @ 170mA  |
| PC-120-200           | DPC-120-200            | 24.0 | 120VCT @ 200mA       | 60V @ 400mA  |



Custom versions available upon request.

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# Printed Circuit Mount Power Transformers

## Miniature Low Power Transformers



| VA   | L              | W               | H               | A-6             | A-8            | B              | Weight        | Optional Bracket* |                |                |
|------|----------------|-----------------|-----------------|-----------------|----------------|----------------|---------------|-------------------|----------------|----------------|
|      |                |                 |                 | 6 Pin           | 8 Pin          |                |               | Number            | MW             | MD             |
| Size | Inches (mm)    |                 |                 |                 |                |                | oz (kg)       |                   | Inches (mm)    |                |
| 1.0  | 1.00<br>(25.4) | 1.37<br>(34.92) | 0.83<br>(21.08) | 0.25<br>(6.35)  | 0.20<br>(5.08) | 1.23<br>(31.2) | 2.5<br>(0.07) | —                 | —              | —              |
| 1.2  | 1.37<br>(34.9) | 1.12<br>(28.6)  | 1.18<br>(30.15) | 0.31<br>(7.92)  | 0.20<br>(5.08) | 1.03<br>(26.2) | 3<br>(0.08)   | —                 | —              | —              |
| 4.4  | 1.62<br>(41.3) | 1.25<br>(31.8)  | 1.37<br>(34.92) | 0.40<br>(10.16) | 0.25<br>(6.35) | 1.13<br>(28.7) | 5<br>(0.14)   | —                 | —              | —              |
| 10.0 | 1.87<br>(47.6) | 1.43<br>(36.5)  | 1.62<br>(41.27) | 0.40<br>(10.16) | 0.25<br>(6.35) | 1.33<br>(33.7) | 9<br>(0.23)   | 10-BR             | 1.64<br>(41.7) | 1.12<br>(28.6) |
| 24.0 | 1.62<br>(41.3) | 2.25<br>(57.2)  | 1.37<br>(34.93) | 0.40<br>(10.16) | 0.25<br>(6.35) | 2.13<br>(54.1) | 12<br>(0.34)  | 24-BR             | 1.37<br>(34.9) | 2.00<br>(50.8) |

\*An optional slide on mounting bracket is available for sizes 10 & 24. These brackets do not consume any additional board space but add 1/32" to the transformer's height.

See Accessories page for mounting brackets.

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