

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 6 Pin | Dual 115/230V 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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| 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 (25.4) | 1.37 (34.92) | 0.83 (21.08) | 0.25 (6.35) | 0.20 (5.08) | 1.23 (31.2) | 2.5 (0.07) | - | - | - |
| 1.2 | 1.37 (34.9) | 1.12 (28.6) | 1.18 (30.15) | 0.31 (7.92) | 0.20 (5.08) | 1.03 (26.2) | 3 (0.08) | - | - | - |
| 4.4 | 1.62 (41.3) | 1.25 (31.8) | 1.37 (34.92) | 0.40 (10.16) | 0.25 (6.35) | 1.13 (28.7) | 5 (0.14) | - | - | - |
| 10.0 | 1.87 (47.6) | 1.43 (36.5) | 1.62 (41.27) | 0.40 (10.16) | 0.25 (6.35) | 1.33 (33.7) | 9 (0.23) | 10-BR | 1.64 (41.7) | 1.12 (28.6) |
| 24.0 | 1.62 (41.3) | 2.25 (57.2) | 1.37 (34.93) | 0.40 (10.16) | 0.25 (6.35) | 2.13 (54.1) | 12 (0.34) | 24-BR | 1.37 (34.9) | 2.00 (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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Как с нами связаться

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