

Printed Circuit Mount

# PC / DPC Series

## Miniature Low 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



# PC / DPC Series Datasheet

## Part Number Selection

Primary 50/500 Hz		VA	Secondary RMS Rating	
Single 115 V 6 Pin	Dual 115/230 V 8 Pin	Size	Series	Parallel
PC-10-90	DPC-10-90	1.0	10 VCT @ 90 mA	5 V @ 180 mA
PC-10-120	DPC-10-120	1.2	10 VCT @ 120 mA	5 V @ 240 mA
PC-10-440	DPC-10-440	4.4	10 VCT @ 440 mA	5 V @ 880 mA
PC-10-1000	DPC-10-1000	10.0	10 VCT @ 1.0 A	5 V @ 2.0 A
PC-10-2400	DPC-10-2400	24.0	10 VCT @ 2.4 A	5 V @ 4.8 A
PC-12-70	DPC-12-70	1.0	12.6 VCT @ 70 mA	6.3 V @ 140 mA
PC-12-100	DPC-12-100	1.2	12.6 VCT @ 100 mA	6.3 V @ 200 mA
PC-12-350	DPC-12-350	4.4	12.6 VCT @ 350 mA	6.3 V @ 700 mA
PC-12-800	DPC-12-800	10.0	12.6 VCT @ 800 mA	6.3 V @ 1.6 A
PC-12-2000	DPC-12-2000	24.0	12.6 VCT @ 2.0 A	6.3 V @ 4.0 A
PC-16-55	DPC-16-55	1.0	16 VCT @ 55 mA	8 V @ 110 mA
PC-16-75	DPC-16-75	1.2	16 VCT @ 75 mA	8 V @ 150 mA
PC-16-260	DPC-16-260	4.4	16 VCT @ 260 mA	8 V @ 520 mA
PC-16-640	DPC-16-640	10.0	16 VCT @ 640 mA	8 V @ 1.28 A
PC-16-1500	DPC-16-1500	24.0	16 VCT @ 1.50 A	8 V @ 3.0 A
PC-20-45	DPC-20-45	1.0	20 VCT @ 45 mA	10 V @ 90 mA
PC-20-60	DPC-20-60	1.2	20 VCT @ 60 mA	10 V @ 120 mA
PC-20-220	DPC-20-220	4.4	20 VCT @ 220 mA	10 V @ 440 mA
PC-20-500	DPC-20-500	10.0	20 VCT @ 500 mA	10 V @ 1.0 A
PC-20-1200	DPC-20-1200	24.0	20 VCT @ 1.20 A	10 V @ 2.40 A
PC-24-35	DPC-24-35	1.0	24 VCT @ 35 mA	12 V @ 70 mA
PC-24-50	DPC-24-50	1.2	24 VCT @ 50 mA	12 V @ 100 mA
PC-24-180	DPC-24-180	4.4	24 VCT @ 180 mA	12 V @ 360 mA
PC-24-450	DPC-24-450	10.0	24 VCT @ 450 mA	12 V @ 900 mA
PC-24-1000	DPC-24-1000	24.0	24 VCT @ 1.0 A	12 V @ 2.0 A

Primary 50/500 Hz		VA	Secondary RMS Rating	
Single 115 V 6 Pin	Dual 115/230 V 8 Pin	Size	Series	Parallel
PC-28-30	DPC-28-30	1.0	28 VCT @ 30 mA	14 V @ 60 mA
PC-28-40	DPC-28-40	1.2	28 VCT @ 40 mA	14 V @ 80 mA
PC-28-160	DPC-28-160	4.4	28 VCT @ 160 mA	14 V @ 320 mA
PC-28-360	DPC-28-360	10.0	28 VCT @ 360 mA	14 V @ 720 mA
PC-28-800	DPC-28-800	24.0	28 VCT @ 800 mA	14 V @ 1.60 A
PC-34-25	DPC-34-25	1.0	34 VCT @ 25 mA	17 V @ 50 mA
PC-34-35	DPC-34-35	1.2	34 VCT @ 35 mA	17 V @ 70 mA
PC-34-125	DPC-34-125	4.4	34 VCT @ 125mA	17 V @ 250 mA
PC-34-300	DPC-34-300	10.0	34 VCT @ 300 mA	17 V @ 600 mA
PC-34-700	DPC-34-700	24.0	34 VCT @ 700 mA	17 V @ 1.40 A
PC-40-20	DPC-40-20	1.0	40 VCT @ 20 mA	20 V @ 40 mA
PC-40-30	DPC-40-30	1.2	40 VCT @ 30 mA	20 V @ 60 mA
PC-40-110	DPC-40-110	4.4	40 VCT @ 110 mA	20 V @ 220 mA
PC-40-250	DPC-40-250	10.0	40 VCT @ 250 mA	20 V @ 500 mA
PC-40-600	DPC-40-600	24.0	40 VCT @ 600 mA	20 V @ 1.20 A
PC-56-15	DPC-56-15	1.0	56 VCT @ 15 mA	28 V @ 30 mA
PC-56-20	DPC-56-20	1.2	56 VCT @ 20 mA	28 V @ 40 mA
PC-56-80	DPC-56-80	4.4	56 VCT @ 80 mA	28 V @ 160 mA
PC-56-180	DPC-56-180	10.0	56 VCT @ 180 mA	28 V @ 360 mA
PC-56-420	DPC-56-420	24.0	56 VCT @ 420 mA	28 V @ 840 mA
PC-120-8	DPC-120-8	1.0	120 VCT @ 8 mA	60 V @ 16 mA
PC-120-10	DPC-120-10	1.2	120 VCT @ 10 mA	60 V @ 20 mA
PC-120-35	DPC-120-35	4.4	120 VCT @ 35 mA	60 V @ 70 mA
PC-120-85	DPC-120-85	10.0	120 VCT @ 85 mA	60 V @ 170 mA
PC-120-200	DPC-120-200	24.0	120 VCT @ 200 mA	60 V @ 400 mA



Custom versions available upon request.



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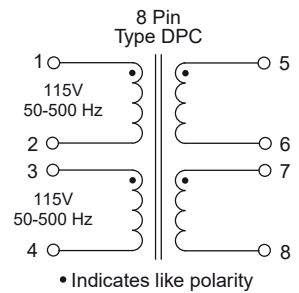
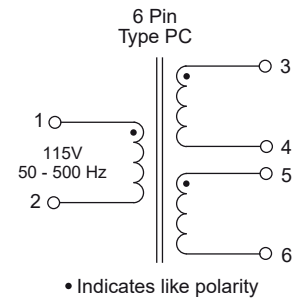
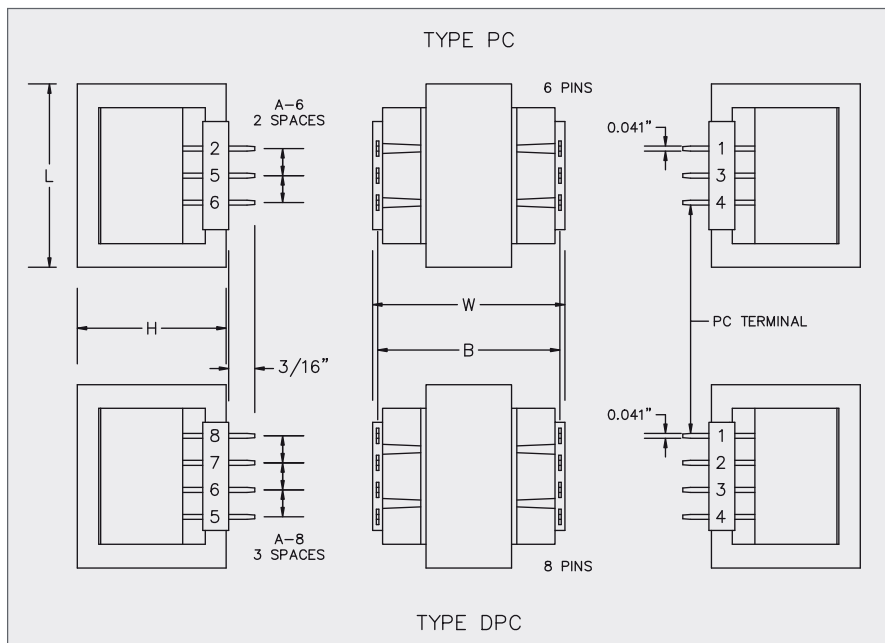
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## Mechanical Specifications

VA	L	W	H	A-6	A-8	B	Weight	Optional Bracket *			
				6 Pin	8 Pin			Part 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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