

**RP99 Series**

**Horizontal PCB Mount Transformer**

**RP99  
UPTO 45VA  
PCB TRANSFORMER**

**ROHS COMPLIANT**



**Specifications**

**Power:** 10VA to 45VA  
**Dielectric Strength:** 4000VRMS Hi-pot  
**Primaries:** Single or Dual primary (115/230V- 50/60 Hz)  
**Max. Operating Temp.:** 155°C  
**Safety Approvals:** UL 506, CSA C 22.2 No. 66

**Part Number / Ordering**

Part Number		Secondary Voltage
Single 115V Primary	Dual 115/230V Primary	
RP99-41-2-010 RP99-41-3-010 RP99-41-4-010 RP99-41-5-010	RP99-42-2-010 RP99-42-3-010 RP99-42-4-010 RP99-42-5-010	10VCT @ 1A 10VCT @ 2A 10VCT @ 3A 10VCT @ 4.5A
RP99-41-2-012 RP99-41-3-012 RP99-41-4-012 RP99-41-5-012	RP99-42-2-012 RP99-42-3-012 RP99-42-4-012 RP99-42-5-012	12.6VCT @ 0.8A 12.6VCT @ 1.6A 12.6VCT @ 2.4A 12.6VCT @ 3.6A
RP99-41-2-016 RP99-41-3-016 RP99-41-4-016 RP99-41-5-016	RP99-42-2-016 RP99-42-3-016 RP99-42-4-016 RP99-42-5-016	16VCT @ 0.625A 16VCT @ 1.25A 16VCT @ 1.875A 16VCT @ 2.815A
RP99-41-2-020 RP99-41-3-020 RP99-41-4-020 RP99-41-5-020	RP99-42-2-020 RP99-42-3-020 RP99-42-4-020 RP99-42-5-020	20VCT @ 0.5A 20VCT @ 1A 20VCT @ 1.5A 20VCT @ 2.25A
RP99-41-2-024 RP99-41-3-024 RP99-41-4-024 RP99-41-5-024	RP99-42-2-024 RP99-42-3-024 RP99-42-4-024 RP99-42-5-024	24VCT @ 0.42A 24VCT @ 0.84A 24VCT @ 1.25A 24VCT @ 1.875A

Part Number		Secondary Voltage
Single 115V Primary	Dual 115/230V Primary	
RP99-41-2-028 RP99-41-3-028 RP99-41-4-028 RP99-41-5-028	RP99-42-2-028 RP99-42-3-028 RP99-42-4-028 RP99-42-5-028	28VCT @ 0.36 28VCT @ 0.72A 28VCT @ 1.075A 28VCT @ 1.61A
RP99-41-2-036 RP99-41-3-036 RP99-41-4-036 RP99-41-5-036	RP99-42-2-036 RP99-42-3-036 RP99-42-4-036 RP99-42-5-036	36VCT @ 0.28A 36VCT @ 0.56A 36VCT @ 0.835A 36VCT @ 1.25A
RP99-41-2-048 RP99-41-3-048 RP99-41-4-048 RP99-41-5-048	RP99-42-2-048 RP99-42-3-048 RP99-42-4-048 RP99-42-5-048	48VCT @ 0.21A 48VCT @ 0.42A 48VCT @ 0.625A 48VCT @ 0.94A
RP99-41-2-056 RP99-41-3-056 RP99-41-4-056 RP99-41-5-056	RP99-42-2-056 RP99-42-3-056 RP99-42-4-056 RP99-42-5-056	56VCT @ 0.18A 56VCT @ 0.36A 56VCT @ 0.54A 56VCT @ 0.805A
RP99-41-2-120 RP99-41-3-120 RP99-41-4-120 RP99-41-5-120	RP99-42-2-120 RP99-42-3-120 RP99-42-4-120 RP99-42-5-120	120VCT @ 0.085A 120VCT @ 0.17A 120VCT @ 0.25A 120VCT @ 0.375A

Dimensions shown for reference only.  
 Specifications subject to change.

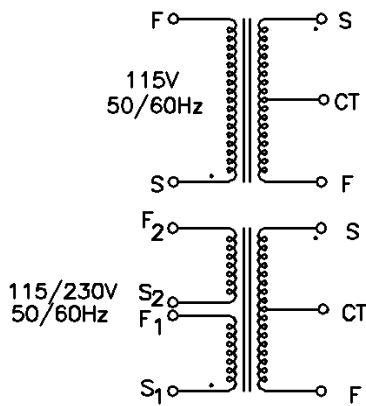
**RADIUS POWER**  
 Standard & Custom Products

www.radiuspower.com  
 PH 714-289-0055  
 FAX 714-289-214

**RP99 Series**

**Horizontal PCB Mount Transformer**

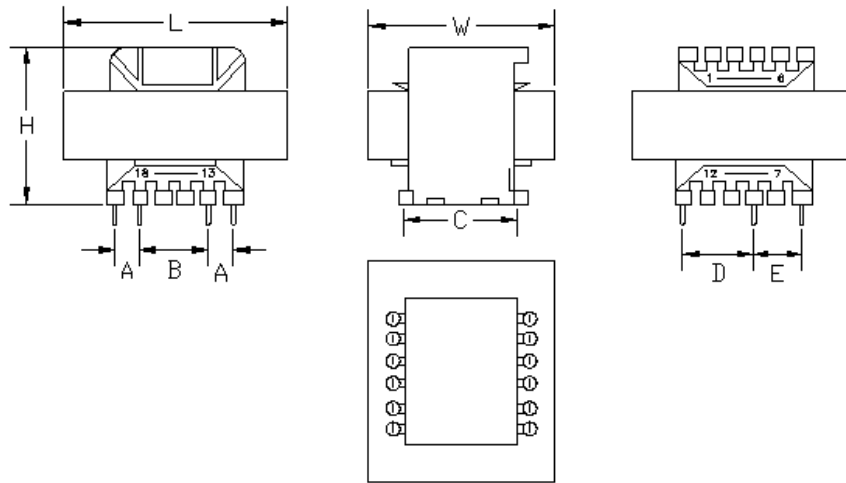
**Schematic**



Pin # configuration for Primary and secondary

Size	RP99-41 115V Primary		RP99-42 115/230V Primary			Secondary			
	S	F	S	F1	S2	F2	S	C.T.	F
2	13	18	13	14	17	18	7	9	12
3	11	15	11	12	14	15	6	8	10
4	11	15	11	12	14	15	6	8	10
5	11	15	11	12	14	15	6	8	10

**Mechanicals**



Size	VA	Dimensions (Inches)								Weight (Lbs)
		L	W	H	A	B	C	D	E	
2	10	1-7/8	1-9/16	1-1/2	.200	.600	1.000	.600	.400	.57
3	20	2-1/4	1-7/8	1-13/16	.300	.600	1.200	.600	.600	1.20
4	30	2-1/4	1-7/8	2-1/16	.300	.600	1.200	.600	.600	1.20
5	45	2-5/8	2-3/16	2-1/32	.300	.600	1.400	.600	.600	1.40

Dimensions shown for reference only.  
Specifications subject to change.

**RADIUS POWER**  
Standard & Custom Products

www.radiuspower.com  
PH 714-289-0055  
FAX 714-289-214