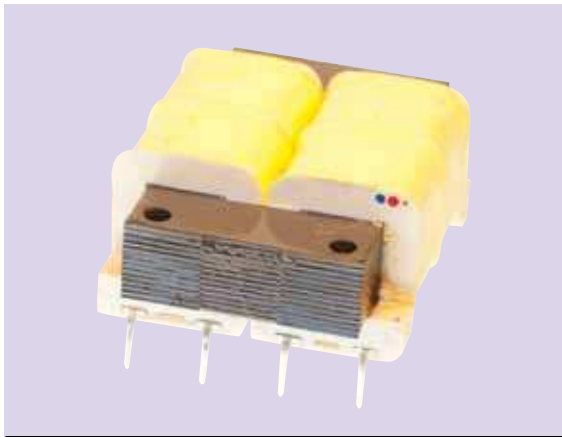




RL-2230

50/60 HZ TRANSFORMERS FLAT/TRAN™



DESCRIPTION

- Flat Transformer

ENVIRONMENTAL DATA

- Storage temperature range:
-55°C to +130°C
- Operating temperature range:
-40°C to +130°C

PACKAGING INFORMATION

- Packaging information: pg. 493

FEATURES & APPLICATIONS

- Specifically designed for convenient PCB mounting
- The low overall height permits close spacing of adjacent PCB to obtain maximum system density
- Using nonconcentric side-by-side winding reduces the interwinding capacitance and eliminates the need for electrostatic shielding
- Dual primary winding permit designs for 115/230 VAC, 50/60 Hz applications

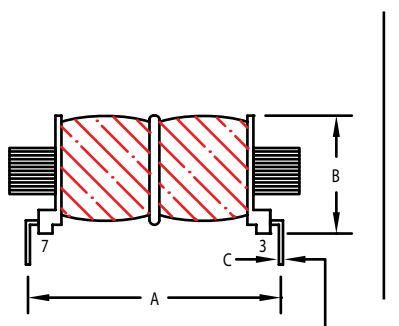
Verify operation with sample in actual circuit. Order samples at www.rencousa.com.

MECHANICAL DIMENSIONS

U.S. Standard (mm)

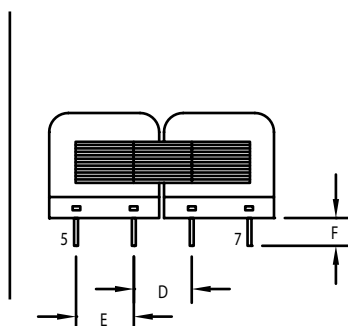
PART NUMBER	A	B (MAX.)	C	D (TYP.)	E (TYP.)	F (MIN.)	G (MAX.)	H (TYP.)	I (MAX.)
RL-2230-2	1.60 (40.64)	0.650 (16.51)	0.041 (1.04) x 0.020 (0.51)	0.375 (9.53)	0.38 (9.53)	0.250 (6.35)	1.87 (47.50)	N/A	1.56 (39.62)
RL-2230-6	1.60 (40.64)	0.850 (21.59)	0.041 (1.04) x 0.020 (0.51)	0.375 (9.53)	0.38 (9.53)	0.250 (6.35)	1.87 (47.50)	N/A	1.56 (39.62)
RL-2230-12	2.00 (50.80)	1.065 (27.05)	0.041 (1.04) x 0.020 (0.51)	0.500 (12.70)	0.50 (12.70)	0.250 (6.35)	2.50 (63.50)	N/A	2.00 (50.80)
RL-2230-24	1.90 (48.26)	1.250 (31.75)	0.041 (1.04)	0.530 (13.46)	0.60 (15.24)	0.250 (6.35)	2.87 (72.90)	N/A	2.25 (57.15)
RL-2230-48	2.18 (55.37)	1.375 (34.93)	0.041 (1.04)	0.660 (16.76)	0.60 (15.24)	0.250 (6.35)	3.12 (79.25)	2.50 (63.50)	2.50 (63.50)

FRONT VIEW

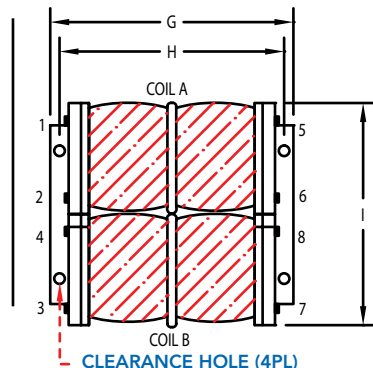


PIN DIMENSION SQ

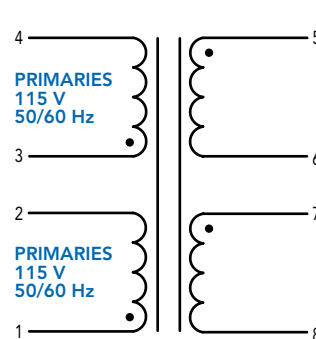
SIDE VIEW



BOTTOM VIEW



SCHEMATIC



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RL-2230

Renco Part No.	VA (Size)	Series	Parallel
RL-2230-10-250	2	10V C.T. @ 250 mA	5V @ 500 mA
RL-2230-10-600	6	10V C.T. @ 600 mA	5V @ 1.20 A
RL-2230-10-1200	12	10V C.T. @ 1.20 A	5V @ 2.40 A
RL-2230-10-2400	24	10V C.T. @ 2.40 A	5V @ 4.80 A
RL-2230-10-4800	48	10V C.T. @ 4.80 A	5V @ 9.60 A
RL-2230-12-200	2	12.6V C.T. @ 200 mA	6.3V @ 400 mA
RL-2230-12-450	6	12.6V C.T. @ 450 mA	6.3V @ 900 mA
RL-2230-12-900	12	12.6V C.T. @ 900 mA	6.3V @ 1.80 A
RL-2230-12-1900	24	12.6V C.T. @ 1.90 A	6.3V @ 2.80 A
RL-2230-12-3800	48	12.6V C.T. @ 3.80 A	6.3V @ 7.60 A
RL-2230-16-150	2	16V C.T. @ 150 mA	8V @ 300 mA
RL-2230-16-350	6	16V C.T. @ 350 mA	8V @ 700 mA
RL-2230-16-700	12	16V C.T. @ 700 mA	8V @ 1.40 A
RL-2230-16-1500	24	16V C.T. @ 1.50 A	8V @ 3.00 A
RL-2230-16-3000	48	16V C.T. @ 3.00 A	8V @ 6.00 A
RL-2230-20-125	2	20V C.T. @ 125 mA	10V @ 250 mA
RL-2230-20-300	6	20V C.T. @ 300 mA	10V @ 600 mA
RL-2230-20-600	12	20V C.T. @ 600 mA	10V @ 1.20 A
RL-2230-20-1200	24	20V C.T. @ 1.20 A	10V @ 2.40 A
RL-2230-20-2400	48	20V C.T. @ 2.40 A	10V @ 4.80 A
RL-2230-24-100	2	24V C.T. @ 100 mA	12V @ 200 mA
RL-2230-24-250	6	24V C.T. @ 250 mA	12V @ 500 mA
RL-2230-24-500	12	24V C.T. @ 500 mA	12V @ 1.00 A
RL-2230-24-1000	24	24V C.T. @ 1.00 A	12V @ 2.00 A
RL-2230-24-2000	48	24V C.T. @ 2.00 mA	12V @ 4.00 A
RL-2230-30-85	2	30V C.T. @ 85 mA	15V @ 170 mA
RL-2230-30-200	6	30V C.T. @ 200 mA	15V @ 400 mA
RL-2230-30-400	12	30V C.T. @ 400 mA	15V @ 800 mA
RL-2230-30-800	24	30V C.T. @ 800 mA	15V @ 1.60 A
RL-2230-30-1600	48	30V C.T. @ 1.60 A	15V @ 3.20 A
RL-2230-34-75	2	34V C.T. @ 75 mA	17V @ 150 mA
RL-2230-34-170	6	34V C.T. @ 170 mA	17V @ 340 mA
RL-2230-34-340	12	34V C.T. @ 340 mA	17V @ 680 mA
RL-2230-34-700	24	34V C.T. @ 700 mA	17V @ 1.40 A
RL-2230-34-1400	48	34V C.T. @ 1.40 A	17V @ 2.80 A
RL-2230-40-60	2	40V C.T. @ 60 mA	20V @ 120 mA
RL-2230-40-150	6	40V C.T. @ 150 mA	20V @ 300 mA
RL-2230-40-300	12	40V C.T. @ 300 mA	20V @ 600 mA
RL-2230-40-600	24	40V C.T. @ 600 mA	20V @ 1.20 A
RL-2230-40-1200	48	40V C.T. @ 1.20 A	20V @ 2.40 A

RL-2230 TABLE CONTINUES ON FOLLOWING PAGE

NOTES:

1. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C



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RL-2230

Renco Part #	VA (Size)	Series	Parallel
RL-2230-56-45	2	56V C.T. @ 45 mA	28V @ 90 mA
RL-2230-56-100	6	56V C.T. @ 100 mA	28V @ 200 mA
RL-2230-56-200	12	56V C.T. @ 200 mA	28V @ 400 mA
RL-2230-56-425	24	56V C.T. @ 425 mA	28V @ 850 mA
RL-2230-56-850	48	56V C.T. @ 850 mA	28V @ 1.70 A
RL-2230-88-28	2	88V C.T. @ 28 mA	44V @ 56 mA
RL-2230-88-65	6	88V C.T. @ 65 mA	44V @ 130 mA
RL-2230-88-130	12	88V C.T. @ 130 mA	44V @ 260 mA
RL-2230-120-20	2	120V C.T. @ 20 mA	60V @ 40 mA
RL-2230-120-50	6	120V C.T. @ 50 mA	60V @ 100 mA
RL-2230-120-100	12	120V C.T. @ 100 mA	60V @ 200 mA
RL-2230-230-10	2	230V C.T. @ 10 mA	115V @ 20 mA
RL-2230-230-25	6	230V C.T. @ 25 mA	115V @ 50 mA
RL-2230-230-50	12	230V C.T. @ 50 mA	115V @ 100 mA

NOTES:

1. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C

PART NUMBER	PART WEIGHT
RL-2230-2	141.7g (5.0oz)
RL-2230-6	198.4g (7.0oz)
RL-2230-12	311.8g (11.0oz)
RL-2230-24	425.2g (15.0oz)
RL-2230-48	595.3g (21.0oz)



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