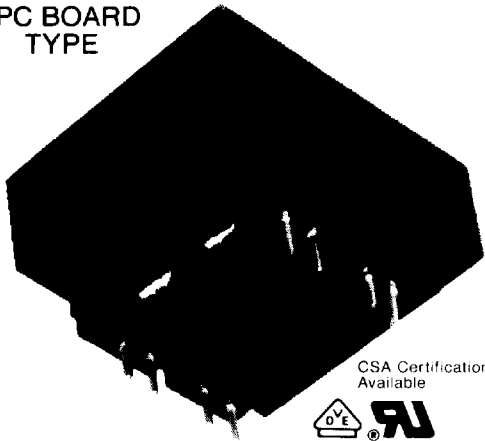


one-4-all™ international

MEETS UL, VDE, IEC, CSA AND ALL
COST & BETTER PERFORMANCE THAN

PC BOARD
TYPE



Signal's International Series of transformers is designed and constructed to meet all U.S. and international standards such as UL, VDE, IEC and CSA. This is accomplished by two factors:

1. The dual bobbin construction including an overall insulating shroud as indicated in the exploded view of constructional details.
2. The use of highly stable, high temperature material which more than meets UL flammability requirements.

The insulation system results in very high isolation between primary and secondary windings and from either to the core (or ground). **Hipot Test is 4000v RMS.** The dual bobbin non-concentric design reduces capacitance and eliminates the need for an electrostatic-shield.

These parts are available in both PC Board and Chassis Mount types from 2.5 to 175 va. Coil winding and wire termination are simplified by the bobbin construction and the method of winding. The dual windings, when possible, are wound "bifilar" so that **all anchor and insulating tapes are eliminated.**

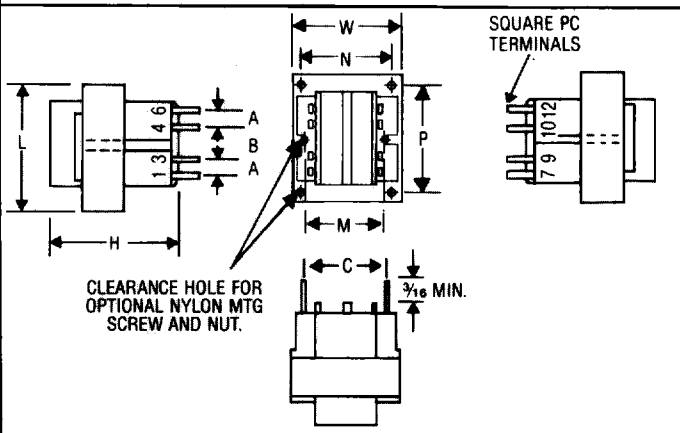
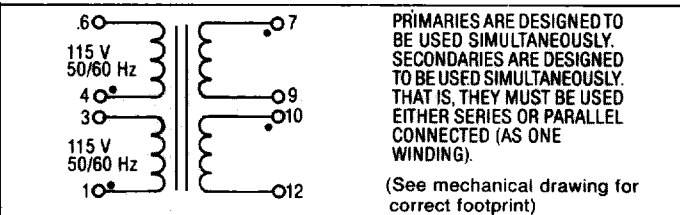
Also, since the windings are electrically balanced, there are no primary circulating currents and, if the secondaries are series-connected for a FWCT rectifier, the balance makes filtering easier.

The bobbin wall slots allow for all leads to be brought out of the winding area for termination. As a result, **all wire crossovers and insulating pads are eliminated.** The insulating shroud positions both bobbins accurately for core stacking and also provides the barriers for the 4000v RMS Test Voltage.

These design improvements lower manufacturing costs. As a result, the series is truly universal and can be sold at lower prices than previous "split bobbin" and "PC" types.

Again, Signal is there first - with the best - and at lower cost.

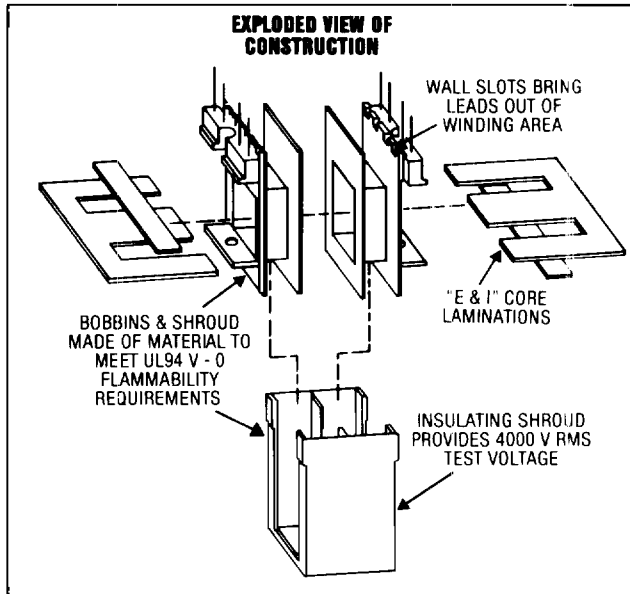
Part No.	VA (Size)	Secondary RMS Rating	
		Series	Parallel
14A-2.5-10	2.5	10V C.T. @ 0.25A	5V @ 0.5A
14A-5.0-10	5.0	10V C.T. @ 0.5A	5V @ 1.0A
14A-10-10	10.0	10V C.T. @ 1.0A	5V @ 2.0A
14A-20-10	20.0	10V C.T. @ 2.0A	5V @ 4.0A
14A-30-10	30.0	10V C.T. @ 3.0A	5V @ 6.0A
14A-56-10	56.0	10V C.T. @ 5.6A	5V @ 11.2A
14A-2.5-12	2.5	12.6V C.T. @ 0.2A	6.3V @ 0.4A
14A-5.0-12	5.0	12.6V C.T. @ 0.4A	6.3V @ 0.8A
14A-10-12	10.0	12.6V C.T. @ 0.8A	6.3V @ 1.6A
14A-20-12	20.0	12.6V C.T. @ 1.6A	6.3V @ 3.2A
14A-30-12	30.0	12.6V C.T. @ 2.4A	6.3V @ 4.8A
14A-56-12	56.0	12.6V C.T. @ 4.4A	6.3V @ 8.8A
14A-2.5-16	2.5	16V C.T. @ 0.15A	3V @ 0.3A
14A-5.0-16	5.0	16V C.T. @ 0.31A	3V @ 0.62A
14A-10-16	10.0	16V C.T. @ 0.62A	3V @ 1.25A
14A-20-16	20.0	16V C.T. @ 1.25A	3V @ 2.5A
14A-30-16	30.0	16V C.T. @ 1.9A	3V @ 3.8A
14A-56-16	56.0	16V C.T. @ 3.5A	3V @ 7.0A
14A-2.5-20	2.5	20V C.T. @ 0.12A	10V @ 0.24A
14A-5.0-20	5.0	20V C.T. @ 0.25A	10V @ 0.5A
14A-10-20	10.0	20V C.T. @ 0.5A	10V @ 1.0A
14A-20-20	20.0	20V C.T. @ 1.0A	10V @ 2.0A
14A-30-20	30.0	20V C.T. @ 1.5A	10V @ 3.0A
14A-56-20	56.0	20V C.T. @ 2.8A	10V @ 5.6A
14A-2.5-24	2.5	24V C.T. @ 0.1A	12V @ 0.2A
14A-5.0-24	5.0	24V C.T. @ 0.21A	12V @ 0.42A
14A-10-24	10.0	24V C.T. @ 0.42A	12V @ 0.84A
14A-20-24	20.0	24V C.T. @ 0.83A	12V @ 1.66A
14A-30-24	30.0	24V C.T. @ 1.25A	12V @ 2.50A
14A-56-24	56.0	24V C.T. @ 2.33A	12V @ 4.66A
14A-2.5-28	2.5	28V C.T. @ 0.09A	14V @ 0.18A
14A-5.0-28	5.0	28V C.T. @ 0.18A	14V @ 0.36A
14A-10-28	10.0	28V C.T. @ 0.36A	14V @ 0.72A
14A-20-28	20.0	28V C.T. @ 0.72A	14V @ 1.44A
14A-30-28	30.0	28V C.T. @ 1.06A	14V @ 2.12A
14A-56-28	56.0	28V C.T. @ 2.0A	14V @ 4.0A
14A-2.5-36	2.5	36V C.T. @ 0.07A	18V @ 0.14A
14A-5.0-36	5.0	36V C.T. @ 0.14A	18V @ 0.28A
14A-10-36	10.0	36V C.T. @ 0.28A	18V @ 0.56A
14A-20-36	20.0	36V C.T. @ 0.56A	18V @ 1.12A
14A-30-36	30.0	36V C.T. @ 0.82A	18V @ 1.64A
14A-56-36	56.0	36V C.T. @ 1.56A	18V @ 3.12A



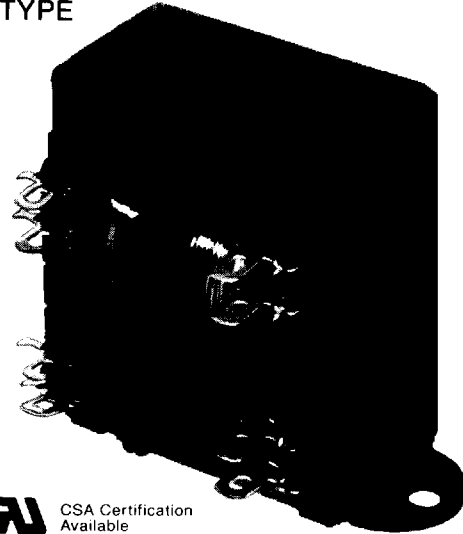
Dimensions							Pin Dimensions	Mtg.			Mtg. Screw		Lbs.
VA	L	W	H	A	B	C		M	N	P	Size	Quantity	
2.5	1 5/8	1 3/16	1 1/8	.200	.250	1.000	0.025SQ	1 1/16	—	—	#4	2	0.25
5.0	1 5/8	1 3/16	1 3/8	.200	.400	1.000	0.025SQ	1 1/16	—	—	#4	2	0.37
10.0	1 7/8	1 3/16	1 3/8	.200	.400	1.140	0.038SQ	1 1/4	—	—	#4	2	0.53
20.0	2 1/8	1 7/8	1 3/8	.400	.400	1.460	0.038SQ	1 1/2	—	—	#4	2	0.90
30.0	2 3/8	2 3/16	1 3/16	.550	.275	1.680	0.045SQ	—	1 3/4	2 3/16	#6	4	1.15
56.0	3	2 1/2	1 3/16	.600	.300	1.900	0.045SQ	—	2	2 1/2	#6	4	1.70

...series transformers

INTERNATIONAL STANDARDS AT LOWER EXISTING SPLIT-BOBBIN TYPES!

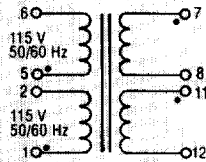


CHASSIS MOUNT TYPE

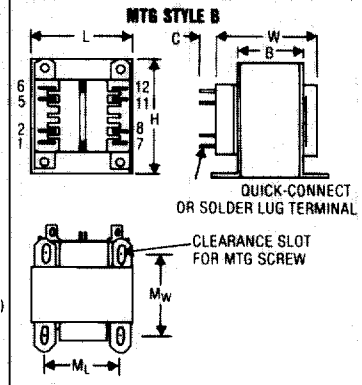
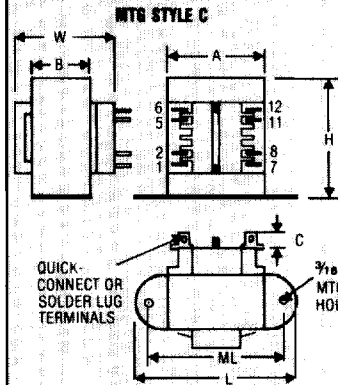


CSA Certification Available

Part No.	VA (Size)	Secondary RMS Rating	
		Series	Parallel
A41-25-10	25	10V C.T. @ 2.5A	5V @ 5.0A
A41-43-10	43	10V C.T. @ 4.3A	5V @ 8.6A
A41-80-10	80	10V C.T. @ 8.0A	5V @ 16.0A
A41-130-10	130	10V C.T. @ 13.0A	5V @ 26.0A
A41-175-10	175	10V C.T. @ 17.5A	5V @ 35.0A
A41-25-12	25	12.6V C.T. @ 2.0A	6.3V @ 4.0A
A41-43-12	43	12.6V C.T. @ 3.4A	6.3V @ 6.8A
A41-80-12	80	12.6V C.T. @ 6.3A	6.3V @ 12.6A
A41-130-12	130	12.6V C.T. @ 10.3A	6.3V @ 20.6A
A41-175-12	175	12.6V C.T. @ 14.0A	6.3V @ 28.0A
A41-25-16	25	16V C.T. @ 1.6A	8V @ 3.2A
A41-43-16	43	16V C.T. @ 2.7A	8V @ 5.4A
A41-80-16	80	16V C.T. @ 5.0A	8V @ 10.0A
A41-130-16	130	16V C.T. @ 8.1A	8V @ 16.2A
A41-175-16	175	16V C.T. @ 11.0A	8V @ 22.0A
A41-25-20	25	20V C.T. @ 1.25A	10V @ 2.5A
A41-43-20	43	20V C.T. @ 2.2A	10V @ 4.4A
A41-80-20	80	20V C.T. @ 4.0A	10V @ 8.0A
A41-130-20	130	20V C.T. @ 6.5A	10V @ 13.0A
A41-175-20	175	20V C.T. @ 8.8A	10V @ 17.6A
A41-25-24	25	24V C.T. @ 1A	12V @ 2A
A41-43-24	43	24V C.T. @ 1.8A	12V @ 3.6A
A41-80-24	80	24V C.T. @ 3.3A	12V @ 6.6A
A41-130-24	130	24V C.T. @ 5.4A	12V @ 10.8A
A41-175-24	175	24V C.T. @ 7.3A	12V @ 14.6A
A41-25-28	25	28V C.T. @ 0.9A	14V @ 1.86A
A41-43-28	43	28V C.T. @ 1.5A	14V @ 3.0A
A41-80-28	80	28V C.T. @ 2.8A	14V @ 5.6A
A41-130-28	130	28V C.T. @ 4.6A	14V @ 9.2A
A41-175-28	175	28V C.T. @ 6.25A	14V @ 12.5A
A41-25-36	25	36V C.T. @ 0.7A	18V @ 1.4A
A41-43-36	43	36V C.T. @ 1.2A	18V @ 2.4A
A41-80-36	80	36V C.T. @ 2.2A	18V @ 4.4A
A41-130-36	130	36V C.T. @ 3.6A	18V @ 7.2A
A41-175-36	175	36V C.T. @ 4.8A	18V @ 9.6A
A41-25-230	25	230V C.T. @ 0.11A	115V @ 0.22A
A41-43-230	43	230V C.T. @ 0.19A	115V @ 0.38A
A41-80-230	80	230V C.T. @ 0.35A	115V @ 0.7A
A41-130-230	130	230V C.T. @ 0.57A	115V @ 1.14A
A41-175-230	175	230V C.T. @ 0.76A	115V @ 1.52A



PRIMARIES ARE DESIGNED TO BE USED SIMULTANEOUSLY. SECONDARIES ARE DESIGNED TO BE USED SIMULTANEOUSLY. THAT IS, THEY MUST BE USED EITHER SERIES OR PARALLEL CONNECTED (AS ONE WINDING).



VA	Dimensions						Terminals	Mtg. Style	Mtg. ML	Mtg. MW	Mtg. Screw	Lbs.
	L	W	H	A	B	C						
25	2 13/16	1 1/8	2 3/16	2	1 1/8	3/16	3/16 (.187)	C	2 3/8	-	#6	1.25
43	3 1/8	2 1/16	2 11/16	2 1/4	1 1/8	3/16	3/16 (.187)	C	2 13/16	-	#6	1.6
80	2 1/2	2 3/8	3	-	1 3/8	3/16	3/16 (.187)	B	2	2 3/16	#6	2.8
130	2 13/16	2 7/8	3 3/8	-	1 5/8	3/8	1/4 (0.25)	B	2 1/4	2 1/2	#8	4.1
175	3 1/8	2 7/8	3 3/4	-	1 5/8	3/8	1/4 (0.25)	B	2 1/2	2 1/2	#8	5.5