

Non-Concentric, Plate and Filament Transformers



Transformers

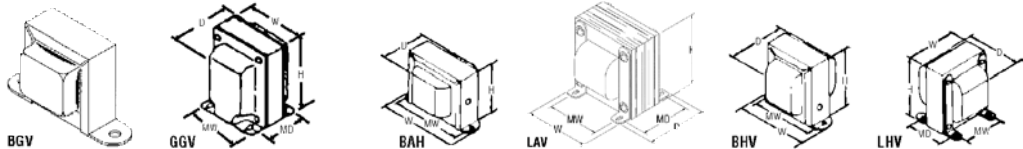


Plate and Filament

Electrical tolerance, dielectric strength, temperature rise and construction are per U.L. Class A materials (maximum 105°C operating temperature) are used in all transformers. Transformers are designed for full-wave C.T. rectification with capacitor

input filter. If choke input filter is used, allow for a DC current increase of 30%. Transformers are listed in ascending order of plate-supply voltages. More sizes available.

Stock No.	Mfr.'s Type	Plate Winding		Rectifier Filament		Other Windings		Style	Case Dimensions Inches			Mtg. Dim. Inches		Weight (Lbs.)	EACH	
		AC Volts	DCMA	Volts	Amps	Volts	Amps		H	W	D	MW	MD		1-9	10-24
704-0904†	26R60*	150**	25	—	—	6.3 CT	0.50	BGV	2	2⅝	1⅜/16	2	—	0.7	19.56	18.17
704-5715†	22R94	190-160-0	70	6.3	0.60	6.3 CT	3.00	GGV	3⅛	2⅞	2⅞/4	2	1⅜/4	2.8	38.50	35.53
704-0910†	26R164	200-0-200	110	—	—	6.3	2.00	GGV	3⅛	2⅞	3⅞/4	2	2⅞/4	3.0	40.08	37.00
704-0914†	24R11U	230-0-230	50	—	—	6.3	2.50	GGV	3⅛	2⅞	2⅞/8	2	1⅞/8	2.2	29.66	27.38
704-0932†	26R31U	260-0-260	90	—	—	6.3	4.00	GGV	3⅛	2⅞	3⅞/4	2	2⅞/16	4.0	37.45	34.55
704-0934†	24R20U	270-0-270	120	5.0	3.00	6.3 CT	3.50	GGV	3⅛	3⅞/8	3⅞/2	2⅞/2	2⅞/16	5.0	50.77	46.88
704-0936†	26R160*	270-0-270	260	5.0	3.00	6.3	8.80	GGV	3⅛	3⅞/8	3⅞/2	2⅞/2	2⅞/4	5.5	50.10	46.25
704-0938†	26R161*	260-0-280	300	5.0/3.0	4.50	6.3	10.00	GGV	3⅛	3⅞/8	4⅞/8	2⅞/2	3⅞/4	7.9	63.31	58.44
704-0942†	24R08U	325-0-325	55	5.0	2.00	6.3 CT	2.00	GGV	3⅛	2⅞	2⅞/8	2⅞/2	2⅞/8	5.7	38.68	35.70
704-0944†	24R87	325-0-325	150	5.0	3.00	6.3 CT	5.00	GGV	3⅛	3⅞/8	3⅞/8	2⅞/2	2⅞/16	5.8	62.61	57.79
704-0946†	26R45	328-0-328	270	5.0	3.00	12.6 CT	5.25	GGV	4⅞/8	4⅞/8	4⅞/8	3	3⅞/8	9.5	64.28	59.32
704-0952†	24R22U	360-0-360	120	5.0	3.00	6.3 CT	3.50	GGV	3⅛	3⅞/8	3⅞/4	2⅞/2	2⅞/16	5.4	48.74	44.98
704-0956†	24R07U	400-0-400	200	5.0	3.00	6.3 CT	5.00	GGV	4⅞/2	3⅞/4	4⅞/2	3	3⅞/16	9.2	62.34	57.54
704-0964‡	24R30	2400	5	2.5	2.00	2.5	2.00	GGV	4⅞/4	3⅞/16	3⅞/8	2⅞/4	2⅞/16	5.5	61.40	56.67

*60 Hz only. **For use in Half Wave Circuit. All secondary AC voltages are ±3%. †For Capacitor Input Systems, Primaries — 117 volts, 50/60 Hz except * which are 60 Hz only; Lead Terminations. ‡For Cathode Ray Tubes, Primaries — 117 volts, 50/60 Hz; Lead Terminations except 24R77 which are with lugs.

Filament/Low Power Transformers — With Color Coded Leads (More sizes available)

Stock No.	Mfr.'s Type	Style	Secondary		Primary Volts	Size (Inches)			Mounting		EACH
			Volts	Amps		H	W	D	MW	MD	
704-6010	21F204	BAH	6.3 C.T.	5.000	115	2⅞/8	3⅞/4	2⅞/4	3⅞/8	—	15.98
704-2030	26F67	BAH	12.6 C.T.	2.000	117	2	3⅞/4	2⅞/8	2⅞/16	—	24.38
704-2034	21F193	BAH	12.6 C.T.	4.000	117	2⅞/8	4	2⅞/8	3⅞/16	—	20.54
704-2035	21F84	BAH	24.0 C.T.	1.000	115	2	3⅞/4	2⅞/8	2⅞/16	—	17.11
704-2037	21F181	BAH	24.0 C.T.	1.000	115/230	2	3⅞/16	2⅞/8	2⅞/16	—	16.44
704-6090	23V419	LAV	24.0 C.T.	4.000	117	3⅞/16	3⅞/8	2⅞/16	2⅞/2	2⅞/4	25.80
704-6095	23V420	LAV	24.0 C.T.	6.000	117	4⅞/16	3⅞/16	3	2⅞/4	2⅞/4	51.23

Control Transformers (More sizes available)

Primaries 115/230 volts 50/60 Hz. Solder lug termination with dual secondary windings. Insulation test volts RMS @ 1500 V.

Stock No.	Mfr.'s Type	Style	Secondary Each Winding	Output Volts	VA Cap.	Size (Inches)			Mounting		EACH
						H	W	D	MW	MD	
704-9890	23V52	BHV	12.0 V @ 2.00 A	—	—	3⅞/8	3⅞/8	2⅞/16	3⅞/8	—	32.25
704-5050	23V388	BHV	24.0 V @ 0.25 A	—	—	2⅞/8	2⅞/8	1⅞/4	2⅞/8	—	19.64
704-5055	23V391	LHV	24.0 V @ 2.00 A	—	—	3⅞/16	2⅞/8	3⅞/8	2⅞/4	2⅞/4	29.13
704-5070	23V392	LHV	24.0 V @ 4.00 A	—	—	4⅞/16	3⅞/8	3⅞/4	2⅞/4	3	59.82
704-9090	23V80	BAH	—	115 V	35 VA	2⅞/4	3⅞/16	2⅞/4	3⅞/8	—	23.70
704-9095	23V551	BAH	—	115 V	50 VA	2⅞/4	3⅞/16	2⅞/8	3⅞/8	—	35.16

Condensed for Power Series

The CFP Series include a grain oriented core for high saturation density, lower core loss, and less steel and copper use; split bobbin for non-concentric winding (lower capacitance, high isolation, better insulation) no cross-overs of primary and secondary leads; bobbin wound for reduced size. More sizes available.



Dual Primary 115/230 V, 50/60 Hz

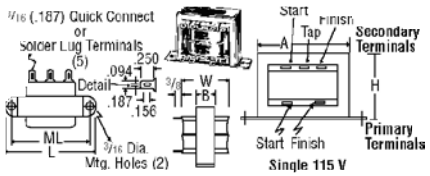
Stock No.	Mfr.'s Type	VA Size	Secondary RMS Ratings	EACH	
				1-9	
704-9300	CFP-300	6	10.0 V C.T. @ 0.6 A	12.70	
704-9500	CFP-500	30	10.0 V C.T. @ 3.0 A	17.82	
704-9302	CFP-302	6	12.6 V C.T. @ 0.5 A	12.88	
704-9602	CFP-602	56	12.6 V C.T. @ 4.0 A	17.70	
704-9702	CFP-702	100	12.6 V C.T. @ 8.0 A	28.54	
704-9704	CFP-704	100	16.0 V C.T. @ 6.25 A	24.05	
704-9306	CFP-306	6	20.0 V C.T. @ 0.3 A	10.85	
704-9506	CFP-506	30	20.0 V C.T. @ 1.5 A	17.82	
704-9606	CFP-606	56	20.0 V C.T. @ 2.8 A	21.01	
704-9608	CFP-608	56	24.0 V C.T. @ 2.4 A	22.09	
704-9708	CFP-708	100	24.0 V C.T. @ 4.0 A	30.70	
704-9310	CFP-310	6	28.0 V C.T. @ 0.2 A	12.70	
704-9510	CFP-510	30	28.0 V C.T. @ 1.1 A	18.07	

Dual Primary 115/230 V, 50/60 Hz (Continued)

Stock No.	Mfr.'s Type	VA Size	Secondary RMS Ratings	EACH	
				1-9	
704-9610	CFP-610	56	28.0 V C.T. @ 2.0 A	20.65	
704-9612	CFP-612	56	36.0 V C.T. @ 1.5 A	22.09	
704-9712	CFP-712	100	36.0 V C.T. @ 2.8 A	30.70	
704-9714	CFP-714	100	48.0 V C.T. @ 2.0 A	24.05	
704-9716	CFP-716	100	56.0 V C.T. @ 1.8 A	24.05	
704-9318	CFP-318	6	120.0 V C.T. @ 0.05 A	10.86	
704-9718	CFP-718	100	120.0 V C.T. @ 0.85 A	30.70	
704-9502	CFP-502	30	12.60 V C.T. @ 2.50 A	19.12	
704-9408	CFP-408	12	24.0 V C.T. @ 500 mA	14.97	

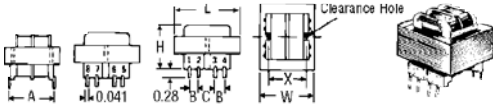
Single Primary 115 V, 50/60 Hz

704-9503	CFP-503	30	12.60 V C.T. @ 2.50 A	13.99
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VA Size	L	W	H	A	B	ML	WL
6	2⅞/8	1⅞/8	1⅞/8	1⅞/16	1⅞/16	2	0.5
12	2⅞/8	1⅞/2	1⅞/8	1⅞/16	1⅞/16	2⅞/8	0.7
30	3⅞/4	1⅞/32	1⅞/8	2⅞/16	1⅞/16	2⅞/16	1.1
56	3⅞/4	1⅞/32	2⅞/4	2⅞/16	1⅞/16	3⅞/8	1.7
100	4	2⅞/4	2⅞/16	3⅞/16	1⅞/16	3⅞/8	2.8

Mini-ISO-Mites



The Mini-ISO-Mites are low voltage, plug-in, power transformers. Primaries and secondaries are wound non-concentrically meaning, side by side. This construction results in smaller units and eliminates the need for costly electrostatic shielding. Highly isolated units with 2500 HIPOT standard and are built to MIL-T-27 specifications. More sizes available.

VA Size	H	L	W	X	A	B	C	WL
2.4	1.1875	1.375	1.1250	—	1.200	.250	.250	0.25
6.0	1.3130	1.625	1.3120	1.0620	1.280	.250	.350	0.44
12.0	1.4375	1.875	1.5625	1.2500	1.410	.300	.400	0.70
20.0	1.5000	2.250	1.8750	1.5000	1.600	.300	.400	0.80
36.0	1.5625	2.625	2.1875	*	1.850	.400	.400	1.10

*36 VA Size has 4 mounting holes on 2⅞/16 × 1⅞/4 centers.

8 Pin Dual Primary 115/230 V, 50/60 Hz

Stock No.	Mfr.'s Type	VA Size	Secondary RMS Ratings		EACH		
			Series	Parallel	1-9	10-24	25-49
704-0821	MIM 821	36.0	10.0 V C.T. @ 3.600 A	5.0 V @ 7.20 A	20.10	18.74	17.55
704-0422	MIM 422	2.4	12.6 V C.T. @ 0.200 A	6.3 V @ 0.40 A	12.15	11.32	10.60
704-0622	MIM 622	12.0	12.6 V C.T. @ 1.000 A	6.3 V @ 2.00 A	13.43	12.52	11.72
704-0624	MIM 624	12.0	16.0 V C.T. @ 0.800 A	8.0 V @ 1.60 A	13.43	12.52	11.72
704-0626	MIM 626	12.0	20.0 V C.T. @ 0.600 A	10.0 V @ 1.20 A	10.66	10.22	9.85
704-0727	MIM 727	20.0	20.0 V C.T. @ 1.000 A	10.0 V @ 2.00 A	14.93	13.92	13.03
704-0827	MIM 827	36.0	20.0 V C.T. @ 1.800 A	10.0 V @ 3.60 A	15.96	15.29	14.74
704-0729	MIM 729	20.0	24.0 V C.T. @ 0.800 A	12.0 V @ 1.60 A	14.93	13.92	13.03
704-0829	MIM 829	36.0	24.0 V C.T. @ 1.500 A	12.0 V @ 3.00 A	20.10	18.74	17.55
704-0831	MIM 831	36.0	28.0 V C.T. @ 1.300 A	14.0 V @ 2.60 A	20.11	18.74	17.55
704-0632	MIM 632	12.0	36.0 V C.T. @ 0.350 A	18.0 V @ 0.70 A	10.66	10.22	9.85
704-0833	MIM 833	36.0	36.0 V C.T. @ 1.000 A	18.0 V @ 2.00 A	15.96	15.29	14.74
704-0634	MIM 634	12.0	48.0 V C.T. @ 0.250 A	24.0 V @ 0.50 A	10.66	10.22	9.85
704-0739	MIM 739	20.0	120.0 V C.T. @ 0.160 A	60.0 V @ 0.32 A	11.84	11.36	10.94
704-0839	MIM 839	36.0	120.0 V C.T. @ 0.300 A	60.0 V @ 0.60 A	15.79	15.14	14.74

6 Pin Single Primary 115 V, 50/60 Hz

704-0439	MIM 439	2.4	120.0 V C.T. @ 20 mA	60.0 V @ 40 mA	15.79	15.14	10.81
704-0830	MIM 830	36.0	28.0 V C.T. @ 1.3 A	14.0 V @ 2.6 A	15.79	15.14	16.64
704-0629	MIM 629	12.0	24.0 V C.T. @ 500 mA	12.0 V @ 1.0 A	15.79	15.14	12.04
704-0529	MIM 529	6.0	24.0 V C.T. @ 250 mA	12.0 V @ 500 mA	15.79	15.14	11.50

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