



Quality Products. Service Excellence.

# High Voltage (Plate) & Filament - 39 VA to 940 VA 300 Series

Universal Primary & 50/60 Hz Operation

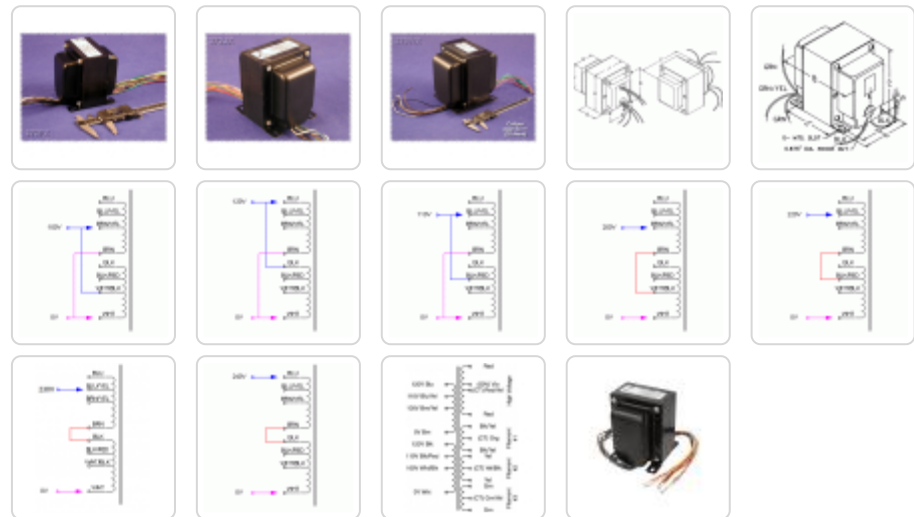
## Features



- Primary: Universal - 100, 110, 120, 200, 220,230, 240 VAC 50/60 Hz.
  - NOTE: units are designed to operate with BOTH primary windings engaged.
  - See primary wiring information under resources.
- Bias Tap: 50 VAC tap from high voltage secondary C.T. (except part number **379WX** - uses a separate 60VAC 0.2 Amp winding).
- Highpot tested: 2,000 VAC
- Faraday Copper Primary Shield: Our electrostatic shield reduces the capacitive coupling from the primary - greatly attenuating higher frequency current coupling to the secondaries (shield is internally grounded to the end bell).
- Windings: Concentric wound for low stray field and low noise.
- Models: This series is an upgrade from our entire **200 Series** range of units PLUS 2 models designed specifically for 300B tubes (Part Number **300BX**) and 2A3 tubes (Part Number **302AX**).
- Finish: Black powder paint to match our 1650 series of output transformers
- Units can be run full wave bridge or full wave C.T.
- Conservative designs - CSA certified (209651).
- For a more economical, open frame, universal primary - check out our **260 Series**.
- For that "high end" look & feel check out our potted versions - the **300P Series**.



## Gallery



Part No.	VA	A.C. High Voltage Secondary R.M.S.	Bias Tap on High Voltage secondary with C.T Grounded (VAC)	Filament #1 (VAC)	Filament #2 (VAC)	Filament #3 (VAC)	Filament #4 (VAC)	Dimension Reference
363AX	32	200V C.T. @ 115ma.	50	5V C.T. @ 2A	-	-	-	X6
369AX	40	250V C.T. @ 115ma.	50	6.3V C.T. @ 2A	-	-	-	X6
369BX	39	300V C.T. @ 86ma.	50	6.3V C.T. @ 2A	-	-	-	X6

Part No.	VA	A.C.	Bias Tap on High	Filament #1	Filament #2	Filament #3	Filament #4	Dimension
		High Voltage Secondary	Voltage secondary with C.T Grounded					
		R.M.S.	(VAC)	(VAC)	(VAC)	(VAC)	(VAC)	Reference
363CX	119	360V C.T. @ 288ma.	50	5V C.T. @ 3A	-	-	-	X11
369EX	45	380V C.T. @ 75ma.	50	6.3V C.T. @ 2.5A	-	-	-	X6
369HX	120	450V C.T. @ 150ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	-	-	X10
369KX	188	450V C.T. @ 300ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	-	-	X20
370X	41	480V C.T. @ 46ma.	50	5V C.T. @ 2A	6.3V C.T. @ 1.5A	-	-	X6
370AX	44	480V C.T. @ 58ma.	50	6.3V C.T. @ 2.5A	-	-	-	X6
369GX	50	450V C.T. @ 75ma.	50	6.3V C.T. @ 2.5A	-	-	-	X6
369JX	50	500V C.T. @ 69ma.	50	6.3V C.T. @ 2.5A	-	-	-	X6
370CAX	66	500V C.T. @ 81ma.	50	5V C.T. @ 2A	6.3V C.T. @ 2.5A	-	-	X8
370JX	133	500V C.T. @ 161ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	-	-	X20
370KX	229	500V C.T. @ 322ma.	50	5V C.T. @ 6A	6.3V C.T. @ 6A	-	-	X22
370DAX	76	520V C.T. @ 104ma.	50	6.3V C.T. @ 3.5A	-	-	-	X8
370BX	55	550V C.T. @ 58ma.	50	5V C.T. @ 2A	6.3V C.T. @ 2A	-	-	X7
370CX	59	550V C.T. @ 75ma.	50	6.3V C.T. @ 0.6A	6.3V C.T. @ 2.5A	-	-	X7
370DX	86	550V C.T. @ 104ma.	50	5V C.T. @ 2A	6.3V C.T. @ 3A	-	-	X8
370EX	119	550V C.T. @ 144ma.	50	5V C.T. @ 3A	6.3V C.T. @ 4A	-	-	X11
370FX	141	550V C.T. @ 173ma.	50	5V C.T. @ 3A	6.3V C.T. @ 5A	-	-	X19
370HX	180	550V C.T. @ 230ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	-	-	X20
370LX	340	550V C.T. @ 460ma.	50	5V C.T. @ 6A	6.3V C.T. @ 9A	-	-	X23
370MX	403	550V C.T. @ 575ma.	50	5V C.T. @ 6A	6.3V C.T. @ 9A	-	-	X24
371X	63	560V C.T. @ 69ma.	50	5V C.T. @ 2A	6.3V C.T. @ 2A	-	-	X7
372BX	98	600V C.T. @ 115ma.	50	5V C.T. @ 2A	6.3V C.T. @ 3A	-	-	X10
372DX	127	600V C.T. @ 144ma.	50	5V C.T. @ 3A	6.3V C.T. @ 4A	-	-	X11
372FX	150	600V C.T. @ 173ma.	50	5V C.T. @ 3A	6.3V C.T. @ 5A	-	-	X20
302AX	198	600V C.T. @ 230ma.	50	2.5V C.T. @ 2.5A	5V C.T. @ 3A	6.3V C.T. @ 6A	2.5V C.T. @ 2.5A	X13
372HX	191	600V C.T. @ 230ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	-	-	X13
372JX	243	600V C.T. @ 288ma.	50	5V C.T. @ 4A	6.3V C.T. @ 8A	-	-	X14
372KX	432	600V C.T. @ 575ma.	50	5V C.T. @ 6A	6.3V C.T. @ 9A	-	-	X21
372LX	520	600V C.T. @ 690ma.	50	5V C.T. @ 6A	6.3V C.T. @ 12A	-	-	X25
372X	75	620V C.T. @ 81ma.	50	5V C.T. @ 2A	6.3V C.T. @ 2.4A	-	-	X8
376X	157	640V C.T. @ 173ma.	50	5V C.T. @ 3A	6.3V C.T. @ 5A	-	-	X20
373EX	311	650V C.T. @ 345ma.	50	5V C.T. @ 6A	6.3V C.T. @ 9A	-	-	X23
373FX	386	650V C.T. @ 460ma.	50	5V C.T. @ 6A	6.3V C.T. @ 9A	-	-	X24
373DX	101	700V C.T. @ 104ma.	50	5V C.T. @ 2A	6.3V C.T. @ 3A	-	-	X10
373X	125	700V C.T. @ 127ma.	50	5V C.T. @ 2A	6.3V C.T. @ 4A	-	-	X11
373BX	187	700V C.T. @ 201ma.	50	5V C.T. @ 3A	6.3V C.T. @ 5A	-	-	X13
373HX	369	700V C.T. @ 403ma.	50	5V C.T. @ 6A	6.3V C.T. @ 9A	-	-	X21
373JX	710	700V C.T. @ 863ma.	50	5V C.T. @ 6A	6.3V C.T. @ 12A	-	-	X26
374AX	136	720V C.T. @ 138ma.	50	5V C.T. @ 3A	6.3V C.T. @ 3.5A	-	-	X11
374X	141	750V C.T. @ 127ma.	50	5V C.T. @ 3A	6.3V C.T. @ 5A	-	-	X20
374BX	200	750V C.T. @ 201ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	-	-	X13
375X	171	800V C.T. @ 155ma.	50	5V C.T. @ 3A	6.3V C.T. @ 5A	-	-	X20
378X	237	800V C.T. @ 230ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	-	-	X22
300BX	280	800V C.T. @ 288ma.	50	5V C.T. @ 1.2A	5V C.T. @ 3A	6.3V C.T. @ 6A	-	X15
378CX	465	800V C.T. @ 534ma.	50	6.3V C.T. @ 6A	-	-	-	X21
379WX	940	800V C.T. @ 1.06 A or 850V C.T. @ 1A	60*	6.3V C.T. @12A	-	-	-	X26
379X	193	850V C.T. @ 173ma.	50	5V C.T. @ 3A	6.3V C.T. @ 5A	-	-	X22
382X	283	1,000V C.T. @ 230ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	-	-	X15
384X	329	1,200V C.T. @ 230mA	50	5V @ 3A	6.3V @ 3A	6.3V @ 3A	-	X15

\*Note: 60 VAC winding for bias supply - on our 379WX is a separate winding (maximum current of 200 ma.)

Note: See our PDF Design Guide for rectifier use suggestions.

### Horizontal Mount ("Z" mounting)

Part No.	VA	A.C. High Voltage Secondary	Bias Tap on High Voltage secondary with C.T Grounded	Filament #1	Filament #2	Dimensions							
		R.M.S.	(VAC)	(VAC)	(VAC)	A	B	C	D	F	G	H	J
370DAZ	76	520V C.T. @ 104ma.	50	6.3V C.T. @ 3.5A	-	2.25	2.81	3.50	2.50	2.44	1.30	3.38	2.81
373AZ	49	650V C.T. @ 46ma.	50	5V C.T. @ 2A	6.3V C.T. @ 2A	2.50	2.81	3.45	1.87	2.44	1.25	3.38	2.81
373CZ	159	650V C.T. @ 173ma.	50	5V C.T. @ 3A	6.3V C.T. @ 5A	2.50	3.15	4.08	2.06	2.69	1.84	3.75	3.13
373DZ	101	700V C.T. @ 104ma.	50	5V C.T. @ 2A	6.3V C.T. @ 3A	2.50	3.15	3.60	2.06	2.69	1.39	3.75	3.13
369KZ	188	450V C.T. @ 300 ma.	50	5V C.T. @ 3A	6.3V C.T. @ 6A	2.50	3.12	4.25	2.06	2.69	2.06	3.75	3.12
370KZ	218	500V C.T. @ 300 ma.	50	5V @ 6A	6.3V C.T. @ 6A	3.00	3.75	4.06	2.59	3.38	1.81	4.50	3.75

### Vertical Mount ("X" mounting)

Mtg. Style	Dimensions						G - Mtg. Slot
	A	B	C	D	E		
X6	2.50	2.75	3.06	2.00	1.69	.203 X .38	
X7	2.50	3.00	3.06	2.00	1.94	.203 X .38	
X8	2.50	3.25	3.06	2.00	2.19	.203 X .38	
X9	2.50	3.75	3.06	2.00	2.69	.203 X .38	
X10	3.13	3.50	3.81	2.50	2.19	.203 X .38	
X11	3.13	3.75	3.81	2.50	2.44	.203 X .38	
X13	3.75	4.00	4.56	3.00	2.81	.203 X .38	
X14	3.75	4.50	4.56	3.00	3.31	.203 X .38	
X15	3.75	5.00	4.56	3.00	3.81	.203 X .38	
X19	3.13	3.94	3.80	2.50	2.69	.203 X .38	
X20	3.13	4.25	3.81	2.50	2.94	.203 X .38	
X21	4.38	5.60	5.30	3.50	4.00	.281 X .625	
X22	3.75	4.19	4.56	3.00	3.06	.203 X .38	
X23	4.38	4.85	5.30	3.50	3.25	.281 X .625	
X24	4.38	5.10	5.30	3.50	3.50	.281 X .625	
X25	4.38	6.10	5.30	3.50	4.50	.281 X .625	
X26	5.28	6.60	6.36	4.25	5.00	.281 X .750	

Tags: classic transformers, universal primary, high voltage, plate, filament

Data subject to change without notice

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