



Quality Products. Service Excellence.

High Voltage (Plate) & Filament 200 Series

115 V / 125V Primary (60 Hz. Only)

Features



- Primary 115 VAC, 60 Hz. - except as noted
 - For "universal" primaries and/or 50/60 Hz. operation and other output voltage combinations please see our **300 Series**.
- Enclosed, 4 hole, chassis mount.
- Minimum 6" long leads.
- Units can be run full wave bridge or full wave C.T.
- Class A insulation (105 degrees C).
- Hi-Pot test of 2,000V RMS.
- Conservative designs - CSA certified (209651).
- **NOTE:** A production "running change" has been made to the primary winding - effective with August 2009 production.



Choice #1 (115 VAC Input):

For those customers who need the 115V input - nothing has changed - simply use the White & Gray wires and tape the Black wire (see above schematic). Note: Gray wire is actually BROWN on only our Part Number 278CX.

Choice #2 (125 VAC Input):

For those customers who are seeing too high a secondary voltage due to higher primary line voltages (roughly 125V input) - use the White & Black wire and tape the gray wire (see schematic).

NOTE: Most of the "Z" mounts do not apply to choices #1 and #2 above. See their respective drawings for available primary voltages.

CAUTION

NEVER connect power to BOTH the GRAY & BLACK wire - instantaneous destruction of the transformer will result!

Gallery



Vertical Mount ("X" mounting)

| Part No. | Primary | | | A.C. High Voltage Secondary R.M.S. | Filament #1 (VAC) | Filament #2 (VAC) | Filament#3 (VAC) | Dimensions | | | | | Mounting Slot | | |
|----------|---------|-----|-----|------------------------------------|-------------------|-------------------|------------------|------------|------|------|------|------|---------------|---|------|
| | VA | VAC | Hz. | | | | | A | B | C | D | F | G | | |
| 263AX | 32 | 115 | 60 | 200V C.T. @ 115ma. | 5V @ 2A | - | | 1.88 | 2.44 | 2.50 | 1.50 | 1.56 | 0.19 | x | 0.31 |

| Part No. | Primary | | | A.C. High Voltage Secondary R.M.S. | Filament #1 (VAC) | Filament #2 (VAC) | Filament#3 (VAC) | Dimensions | | | | | Mounting Slot | | |
|----------|---------|---------|-------|---------------------------------------|----------------------|----------------------|---------------------|------------|------|------|------|------|---------------|---|------|
| | VA | VAC | Hz. | | | | | A | B | C | D | F | G | | |
| 263CX | 116 | 115 | 60 | 360V C.T. @ 287ma. | 5V C.T. @ 3A | - | | 2.50 | 3.75 | 3.06 | 2.00 | 2.69 | 0.20 | x | 0.38 |
| 269AX | 40 | 115 | 60 | 250V C.T. @ 115ma. | 6.3V @ 2A | - | | 2.19 | 2.50 | 2.63 | 1.75 | 1.44 | 0.19 | x | 0.25 |
| 269BX | 38 | 115 | 60 | 300V C.T. @ 86ma. | 6.3V @ 2A | - | | 2.19 | 2.50 | 2.63 | 1.75 | 1.44 | 0.19 | x | 0.25 |
| 269EX | 43 | 115 | 60 | 380V C.T. @ 71ma. | 6.3V @ 2.5A | - | | 2.19 | 2.63 | 2.63 | 1.75 | 1.56 | 0.19 | x | 0.25 |
| 269GX | 48 | 115 | 60 | 450V C.T. @ 75ma. | 6.3V @ 2.5A | - | | 2.19 | 2.63 | 2.63 | 1.75 | 1.56 | 0.19 | x | 0.25 |
| 269JX | 50 | 115 | 60 | 500V C.T. @ 69ma. | 6.3V @ 2.5A | - | | 2.19 | 2.63 | 2.63 | 1.75 | 1.56 | 0.19 | x | 0.25 |
| 270AX | 42 | 115 | 60 | 480V C.T. @ 58ma. | 6.3V @ 2.5A | - | | 2.19 | 2.50 | 2.63 | 1.75 | 1.44 | 0.19 | x | 0.25 |
| 270BX | 53 | 115 | 60 | 550V C.T. @ 57.5ma. | 5V @ 2A | 6.3V @ 2A | | 2.50 | 2.75 | 3.06 | 2.00 | 1.69 | 0.20 | x | 0.38 |
| 270CAX | 65 | 117 | 50/60 | 500V C.T. @ 81ma. | 5V @ 2A | 6.3V @ 2.5A | | 2.50 | 3.00 | 3.13 | 2.00 | 2.06 | 0.20 | x | 0.38 |
| 270CX | 59 | 115 | 60 | 550V C.T. @ 75ma. | 6.3V @ 0.6A | 6.3V @ 2.5A | | 2.50 | 2.75 | 3.06 | 2.00 | 1.69 | 0.20 | x | 0.38 |
| 270DAX | 76 | 117 | 50/60 | 520V C.T. @ 104ma. | 6.3V @ 3.5A | - | | 2.50 | 3.00 | 3.13 | 2.00 | 2.19 | 0.20 | x | 0.38 |
| 270DX | 83 | 115 | 60 | 550V C.T. @ 104ma. | 5V @ 2A | 6.3V @ 3A | | 2.50 | 3.00 | 3.06 | 2.00 | 1.94 | 0.20 | x | 0.38 |
| 270EX | 118 | 115 | 60 | 550V C.T. @ 144ma. | 5V @ 3A | 6.3V @ 4A | | 2.50 | 3.75 | 3.06 | 2.00 | 2.69 | 0.20 | x | 0.38 |
| 270FX | 138 | 115 | 60 | 550V C.T. @ 173ma. | 5V @ 3A | 6.3V C.T. @ 5A | | 3.13 | 3.50 | 3.81 | 2.50 | 2.19 | 0.20 | x | 0.38 |
| 270HX | 176 | 115 | 60 | 550V C.T. @ 230ma. | 5V C.T. @ 3A | 6.3V C.T. @ 6A | | 3.13 | 4.00 | 3.81 | 2.50 | 2.69 | 0.20 | x | 0.38 |
| 270X | 41 | 115 | 60 | 480V C.T. @ 46ma. | 5V @ 2A | 6.3V @ 1.5A | | 2.19 | 2.50 | 2.63 | 1.75 | 1.44 | 0.19 | x | 0.25 |
| 271X | 63 | 115 | 60 | 560V C.T. @ 69ma. | 5V @ 2A | 6.3V C.T. @ 2A | | 2.50 | 2.75 | 3.06 | 2.00 | 1.69 | 0.20 | x | 0.38 |
| 272BX | 95 | 115 | 60 | 600V C.T. @ 115ma. | 5V @ 2A | 6.3V @ 3A | | 2.50 | 3.25 | 3.06 | 2.00 | 2.19 | 0.20 | x | 0.38 |
| 272DX | 123 | 115 | 60 | 600V C.T. @ 144ma. | 5V @ 3A | 6.3V @ 4A | | 2.50 | 3.75 | 3.06 | 2.00 | 2.69 | 0.20 | x | 0.38 |
| 272FX | 146 | 115 | 60 | 600V C.T. @ 172ma. | 5V C.T. @ 3A | 6.3V C.T. @ 5A | | 3.13 | 3.50 | 3.81 | 2.50 | 2.19 | 0.20 | x | 0.38 |
| 272HX | 186 | 115 | 60 | 600V C.T. @ 230ma. | 5V C.T. @ 3A | 6.3V C.T. @ 6A | | 3.13 | 4.00 | 3.81 | 2.50 | 2.69 | 0.20 | x | 0.38 |
| 272JX | 236 | 115 | 60 | 600V C.T. @ 287ma. | 5V C.T. @ 4A | 6.3V C.T. @ 8A | | 3.75 | 4.00 | 4.56 | 3.00 | 2.81 | 0.20 | x | 0.38 |
| 272X | 74 | 115 | 60 | 620V C.T. @ 80ma. | 5V @ 2A | 6.3V @ 2.4A | | 2.50 | 3.00 | 3.06 | 2.00 | 1.94 | 0.20 | x | 0.38 |
| 273BX | 182 | 115 | 60 | 700V C.T. @ 201ma. | 5V @ 3A | 6.3V C.T. @ 5A | | 3.13 | 4.00 | 3.81 | 2.50 | 2.69 | 0.20 | x | 0.38 |
| 273DX | 101 | 117 | 50/60 | 700V C.T. @ 103ma. | 5V @ 2A | 6.3V C.T. @ 3A | | 2.88 | 3.50 | 3.50 | 2.25 | 2.44 | 0.20 | x | 0.38 |
| 273X | 120 | 115 | 60 | 700V C.T. @ 126ma. | 5V @ 2A | 6.3V C.T. @ 4A | | 2.50 | 3.75 | 3.06 | 2.00 | 2.69 | 0.20 | x | 0.38 |
| 274AX | 137 | 117 | 50/60 | 720V C.T. @ 138ma. | 5V @ 3A | 6.3V C.T. @ 3.5A | | 3.13 | 3.50 | 3.88 | 2.50 | 2.38 | 0.20 | x | 0.38 |
| 274BX | 198 | 115 | 60 | 750V C.T. @ 201ma. | 5V C.T. @ 3A | 6.3V C.T. @ 6A | | 3.13 | 4.00 | 3.81 | 2.50 | 2.69 | 0.20 | x | 0.38 |
| 274X | 138 | 115 | 60 | 750V C.T. @ 126ma. | 5V @ 3A | 6.3V C.T. @ 5A | | 3.13 | 3.50 | 3.81 | 2.50 | 2.19 | 0.20 | x | 0.38 |
| 275X | 167 | 115 | 60 | 800V C.T. @ 155ma. | 5V C.T. @ 3A | 6.3V C.T. @ 5A | | 3.13 | 3.75 | 3.81 | 2.50 | 2.44 | 0.20 | x | 0.38 |
| 276X | 150 | 115 | 60 | 640V C.T. @ 172ma. | 5V C.T. @ 3A | 6.3V C.T. @ 5A | | 3.13 | 3.50 | 3.81 | 2.50 | 2.19 | 0.20 | x | 0.38 |
| 278CX | 454 | 115 | 60 | 800V C.T. @ 535ma. | 6.3V C.T. @ 6A | - | | 3.75 | 5.00 | 4.56 | 3.00 | 3.81 | 0.20 | x | 0.38 |
| 278X | 229 | 115 | 60 | 800V C.T. @ 230ma. | 5V C.T. @ 3A | 6.3V C.T. @ 6A | | 3.13 | 4.00 | 3.81 | 2.50 | 2.69 | 0.20 | x | 0.38 |
| 279X | 186 | 115 | 60 | 850V C.T. @ 172ma. | 5V @ 3A | 6.3V C.T. @ 5A | | 3.13 | 4.00 | 3.81 | 2.50 | 2.69 | 0.20 | x | 0.38 |
| 282X | 273 | 115 | 60 | 1,000V C.T. @ 230ma. | 5V C.T. @ 3A | 6.3V C.T. @ 6A | | 3.75 | 4.50 | 4.56 | 3.00 | 3.31 | 0.20 | x | 0.38 |
| 284X | 329 | 115/125 | 60 | 1200V C.T. @ 230ma. | 5V @ 3A | 6.3V @ 3A | 6.3V @ 3A | 3.75 | 4.50 | 4.56 | 3.00 | 3.31 | 0.20 | x | 0.38 |

Horizontal Mount ("Z" mounting)

| Part No. | Primary | | | A.C. High Voltage Secondary R.M.S. | Filament #1 (VAC) | Filament #2 (VAC) | Dimensions | | | | | | | |
|----------|---------|---------|-------|---------------------------------------|----------------------|----------------------|------------|------|------|------|------|------|------|------|
| | VA | VAC | Hz. | | | | A | B | C | D | F | G | H | J |
| 270DAZ | 76 | 117 | 60 | 520V C.T. @ 104ma. | 6.3V @ 3.5A | - | 2.25 | 2.88 | 3.25 | 1.88 | 2.38 | 1.25 | 3.38 | 2.81 |
| 273AZ | 49 | 117 | 50/60 | 650V C.T. @ 46ma. | 5V @ 2A | 6.3V @ 2A | 2.00 | 2.50 | 2.50 | 1.75 | 2.00 | 1.06 | 3.00 | 2.50 |
| 273CZ | 159 | 117 | 50/60 | 650V C.T. @ 172ma. | 5V @ 3A | 6.3V C.T. @ 5A | 2.50 | 3.13 | 3.81 | 2.00 | 2.69 | 1.33 | 3.75 | 3.13 |
| 273DZ | 101 | 117 | 50/60 | 700V C.T. @ 103ma. | 5V @ 2A | 6.3V C.T. @ 3A | 2.25 | 2.81 | 3.63 | 1.75 | 2.25 | 1.50 | 3.38 | 2.81 |
| 290CAX | 95 | 120/240 | 50/60 | 630V C.T. @ 115ma. | 5V @ 2A | 6.3V @ 2A | 2.00 | 2.50 | 3.63 | - | - | 2.00 | 3.00 | 2.50 |
| 290CBZ | 118 | 120 | 60 | 650V C.T. @ 120 ma. | 5V @ 3A | 6.3V @ 4A | 2.50 | 3.12 | 3.25 | - | - | 1.31 | 3.75 | 3.12 |
| 290DAX | 210 | 120/240 | 50/60 | 710/610V C.T. @ 230 ma. | 5V @ 3A | 6.3V C.T. @ 5A | 2.25 | 2.81 | 3.34 | - | - | 1.40 | 3.38 | 2.81 |
| 291AX | 75 | 120V | 60 | 650V C.T. @ 81 ma. | 5V @ 2A | 6.3V @ 2A | 2.00 | 2.50 | 2.82 | - | - | 1.25 | 3.00 | 2.50 |
| 291BEX | 125 | 240V | 50/60 | 660V C.T. @ 138 ma. | 5V @ 3A | 6.3V @ 3A | 2.25 | 2.81 | 4.06 | - | - | 2.05 | 3.38 | 2.81 |
| 291BX | 125 | 120V | 60 | 660V C.T. @ 138 ma. | 5V @ 3A | 6.3V @ 3A | 2.25 | 2.81 | 4.06 | - | - | 2.05 | 3.38 | 2.81 |
| 291CX | 175 | 120V | 60 | 650V C.T. @ 207 ma. | 5V @ 3A | 6.3V C.T. @ 4A | 2.50 | 3.13 | 4.03 | - | - | 1.98 | 3.75 | 3.13 |
| 291EEX | 203 | 240V | 50/60 | 660V C.T. @ 276 ma. | | 6.5V @ 3.15A | 2.75 | 3.44 | 4.06 | - | - | 1.84 | 4.13 | 3.44 |
| 291FX | 367 | 120V | 60 | 640V C.T. @ 518 ma. | | 6.5V @ 5.5A | 3.00 | 3.75 | 4.69 | - | - | 2.37 | 4.50 | 3.75 |
| 290BBX | 102 | 120V | 60 | 710V C.T. @ 115 ma. | 5V @ 2A | 6.3V C.T. @ 1.65A | 2.25 | 2.81 | 3.34 | - | - | 1.40 | 3.38 | 2.81 |

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