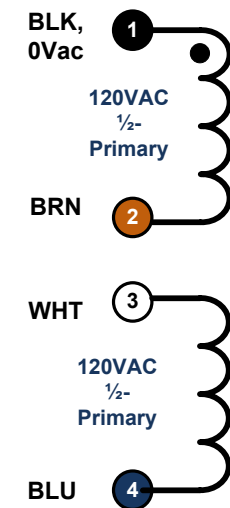


PT285Mi TRANSFORMER SCHEMATIC
 570Vac Center-Tapped 150mA
 Split Primary for 120Vac/240Vac Use

120VAC use: Parallel Primaries
 Connect BLK+WHT and BRN+BLU then apply 120Vac to the parallel leads

Note- using only one pair of inputs for 120Vac operation will only carry half the required mains current and likely FAIL

MAINS Winding
 120Vac 60Hz in PARALLEL
 240Vac/50Hz in SERIES



240VAC use: SERIES PRIMARIES,
 Connect BRN to WHITE and apply 240VAC from BLACK to BLUE

HV Voltage Winding with CenterTap and Bias Output tap

4A Heater Winding with Center Tap

2A Heater Winding with 5 & 6.3Vac Taps

Design Notes

Revision A- 01/30/2019

Electrical Connections:
 BLACK-BROWN: Mains - 1/2 see diagram
 WHITE-BLUE: Mains - 1/2 see diagram
 RED-ORG-RED- 285-0-55-285VAc 150mA
 ORG-GRAY: 55Vac bias tap
 YEL-GN/W(CT)-YEL 3.3-0-3.3Vac @3.5A
 GRN-YL/G-GN/Y 0-5.0/6.3Vac @2A

Details:
 29M6 Lamination EI-112 in 1.7in stack
 Nyglass Bobbin 2-section UL94V-0 rated
 Class B Insulation system per manufacturers UL File
 Shipping Weight 5.8 Lbs

Standard Covers- 2 x BAHRS (USA) FM200, Bright Zinc Plated
 Standard Hardware- 4 x #6 x 2in SS Screws, 4 x #6 Alum Washer,
 4 x #6 close nut, 4 x Nylon #6 spacer
 Lead Wires- UL 600V rated 20AWG (18AWG for 6.3-0-6.3 Heater)

570Vac center-tapped power transformer@150mA.

