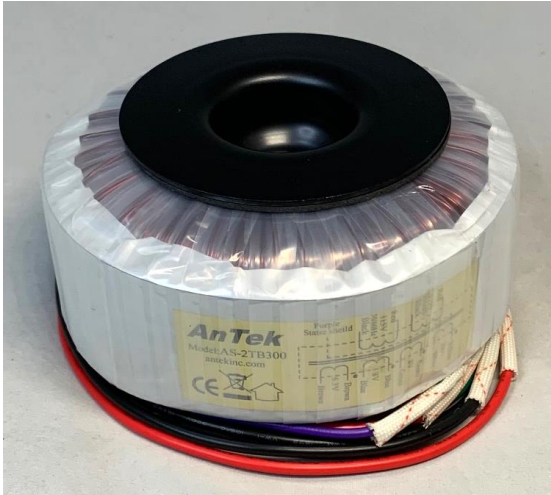
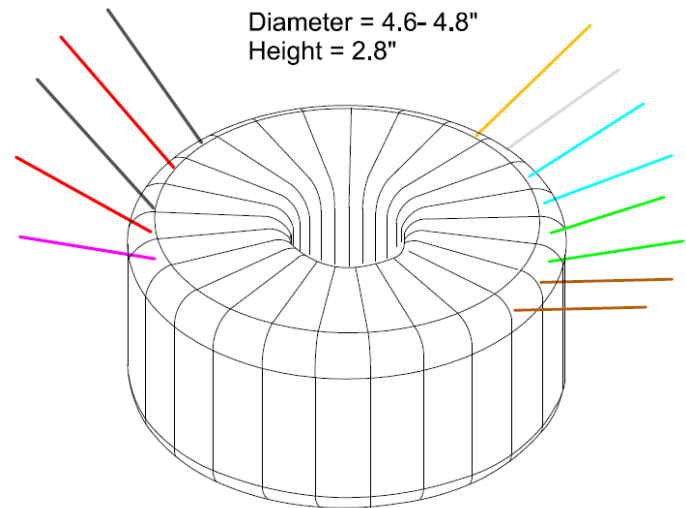
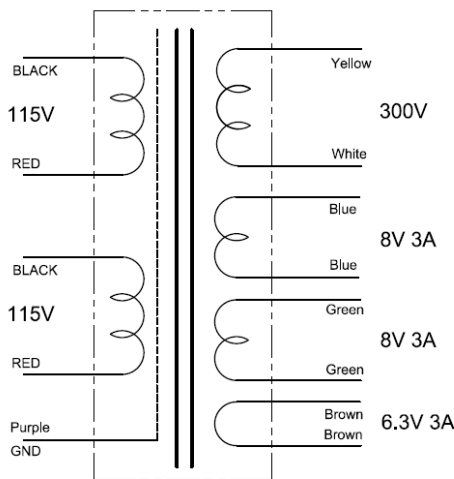




The 200VA toroidal tube-audio power transformer is specially designed for 300B tube amplifiers. It features a static shield between the primary and secondary windings for improved isolation and reduced noise, along with an external magnetic shield to minimize magnetic leakage. The design supports universal operation at 115/230VAC, 50/60Hz, and includes heavier-gauge copper windings for reduced loss and stable full-power performance. Dielectric strength between primary and secondary is tested to 3500VAC.

This model provides two 8V outputs for regulated 5VDC filament supplies, a standard 6.3V filament output, and extra high-voltage power capacity to improve voltage stability. Each transformer is supplied with two rubber pads, a holding disk, and a center-bolt mounting kit.



Open Circuit Test (core loss test): TEST CONDITION: Apply variable voltage to primary coils (in parallel). Set voltages 120 and 140VAC at 60Hz. No load on secondary coils. Measure the primary current and input power.	V _{oltage} input		C _{urrent} input		P _{ower} lost	
	120V 140V		.02A .06A		2.1W 5.5W	
Short Circuit Test (copper loss test): TEST CONDITION: Short all secondary coils, and apply variable voltage to (parallel) primary coils. Varies the voltage from 0-20VAC at 60Hz and freeze the voltage at rated primary current.	V _{oltage} input		C _{urrent} rated		P _{ower} lost	
	8.2V		1.70A		15W	
Load Test (operation test): TEST CONDITION: Input 120VAC 60Hz to the primary coils (in parallel), Connect main output to load, and measure voltages and currents at different load levels. Estimate output $Z = \Delta V / \Delta I$	V _{oltage} output		C _{urrent} output		P _{ower} output	
	314V 297V		0.0A 0.44A		0W 131W	
DC Resistant Test: DC OHM METER: Measure primary and secondary coils (value for each coil).	Primary		300V	8V	6.3V	
	3.6Ω		24.3Ω	0.13Ω	0.07Ω	