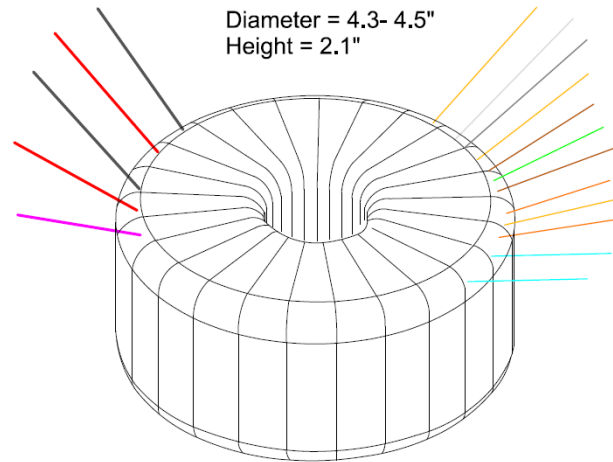
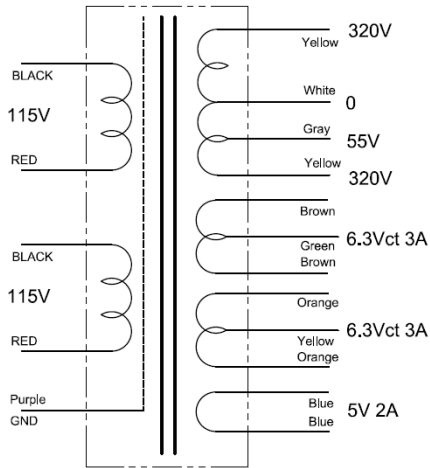


The 100VA toroidal tube audio power transformers are specially engineered for high-fidelity audio applications. They incorporate a static shield between the primary and secondary windings to significantly improve electrical isolation and reduce noise interference, resulting in cleaner signal transmission. Additionally, a magnetic shield is wrapped around the outer circumference of the transformer to effectively reduce magnetic field leakage, which is critical for maintaining low-noise performance in sensitive audio environments.

These transformers are designed to operate reliably on all standard AC power sources, including 115V or 230V at 50Hz or 60Hz. To ensure minimal power loss, the windings use heavier gauge copper wire than typically required, which helps reduce copper losses during full-load operation and enhances overall efficiency.

Each unit undergoes rigorous dielectric testing, with insulation rated up to 3500Vac between the primary and secondary coils to ensure safe and robust operation under demanding conditions.

For ease of installation, each transformer is supplied with two rubber pads, a holding disk, and a center bolt assembly, allowing for secure and vibration-dampened mounting in your audio equipment chassis. With all these features combined, these transformers offer outstanding performance and reliability, making them an excellent choice for tube amplifier and other high-quality audio applications.



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 .04A	1.8W 4.5W
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}
	7.6V	0.85A	6.5W
Load Test (operation test): TEST CONDITION: Input 120VAC 60Hz to the primary coils (in parallel), Output 1 and 2 in parallel to load, and measure voltage and current at different load levels. Estimate output $Z = \Delta V / \Delta I$	V _{oltage output}	C _{urrent output}	P _{ower output}
	335V 303V	0.0A 0.31A	0W 94W
DC Resistant Test: DC OHM METER: Test primary and secondary coils (value for each coil).	Primary	0-320V	0-6.3V
	6.4 Ω	66 Ω	0.1Ω