

MODEL NO.: YC-322515E-1, YC-322515E-2

#### CIRCUIT DESCRIPTION:

This ballast is a rapid start ballast, After 120V 60Hz AC power be filtered by C1, C2, L1, then commutate by D1-D4, filtered by C3, C4, the AC power turns to the high voltage DC power, then after self-excited oscillation of Q1, Q2, T1, generate the high frequency high voltage AC power, L2, L3 choke the current, then C10, C11 lighten the lamp, this is a typical half bridge circuit.

#### GROUND CIRCUITRY

This ballast use Y1 capacitor to connect the input part with the enclosure, when fix the lamp, just need to ground the ballast enclosure, no need other grounding, they can provide a good security protection and circuit shielding role.