

Technical Description of Block Diagram

When operation, normal voltage 120V is changed into DC voltage about 160V through Bridge Rectifier. DC voltage is added to trigger circuit. Once DB3 is triggered, the stored charges in the capacitor discharge in the base of transistor (below) to cause base current and drive transistor to open. With the turn of operation of the two transistors, it separately forms high frequency vibrant circuit combined with L, C circuit, and further forms high frequency voltage between the filament terminals and lights the tube. After the tube is operated normally, the circuit loses the vibration; L only takes the role of keep down the current.