

ABSTRACT:

"An electronic ballast circuit for igniting, supplying and dimming a gas discharge lamp".

An electronic ballast circuit for igniting, supplying and dimming a gas discharge lamp which comprises an oscillation control circuit, an IR2155 self-oscillating half-bridge driver, a dimming control circuit, a load circuit including at least one gas discharge lamp and an over-current protection circuit, wherein the oscillation control circuit controls a current through the lamp by pulse width modulation of a drive signal during a pre-heating stage and the normal operation to control the dimming of the gas discharge lamp.

[The Figure]