

Control ICs Suit Lighting Ballast Apps



Incorporating a half-bridge driver, International Rectifier's IRS2530D DIM8 and IRS2158D 600-V control ICs target energy-efficient dimming fluorescent lighting ballast applications. The 8-pin DIP- or SOIC-packaged IRS2530D DIM8 presents a high-voltage pin, DC dim input voltage reference, and AC lamp current feedback, internal non-ZVS protection, and internal crest factor protection. The 16-pin IRS2158D has programmable half-bridge over-current protection, programmable pre-heat and run frequencies, programmable preheat time and deadtime, closed-loop half-bridge ignition current regulation, programmable end-of-life protection, brownout protection, and an operational amplifier for dimming, current, or power control. The PDIP- or SOIC-packaged component uses an end-of-life window comparator pin and internal 60-event current sense up/down fault counter to accommodate T5 lamp and multi-lamp ballasts. Pricing starts at \$1.09 and \$1.29, respectively, each in 10,000 quantities.

International Rectifier
310-726-8512, www.irf.com [1]

Source URL (retrieved on 01/25/2015 - 8:11am):

<http://www.ecnmag.com/products/2008/11/control-ics-suit-lighting-ballast-apps>

Links:

[1] <http://www.irf.com/>