DD111
DD111M*

High Speed Drivers

A universal PIN diode driver with excellent noise immunity, very fast switching, 100 mA current spikes and available test points for increasing quiescent output current.

1. When using inverting input, connect bias pin 5 to non-inverting input pin 6.
2. When using non-inverting input, connect bias pin 5 to inverting input pin 4.
3. For +30 mA output current, connect pin 8 to pin 9.
4. For positive output currents other than 15 mA or 30 mA, an external resistor can be connected between pin 8 and +5V. See graph.
5. The negative output current varies with V_{ee} and is specified at –12V. When driving grounded anode diodes, V_{ee} should be kept at –5V where the negative current will be 5 mA. It may be increased by connecting a resistor from TP– (pin 14) to V_{ee} (pin 1). See figure.

* M suffix denotes welded metal package instead of standard epoxy-sealed ceramic package.