


<b>Product Item</b>	D804
<b>Product Info</b>	Primary-side LED driver chip
<b>Product Brief Introduction</b>	The D804 is a high performance AC/DC power supply controller for battery charger and adapter applications. The device uses Pulse Frequency Modulation (PFM) method to build discontinuous e, constant current (CV/CC) regulation without requiring an opto coupler and secondary control circuitry. It also eliminates the need of loop compensation circuitry while maintaining stability. The driver circuit uses few components to achieve wide-voltage (85V-265V) input and constant current output.
<b>Product Feature</b>	<ul style="list-style-type: none"> <li>● Provides Constant Voltage, Constant Current (CV/CC) Regulation Without Requiring an Opto Coupler and Secondary Control Circuitry. Primary Side Control for Rectangular Constant Current and Constant Voltage Output</li> <li>● To achieve Stable control without loop Consumption</li> <li>● Discontinuous Conduction Mode (DCM) Fly Back Power Supplies.</li> <li>● Random Frequency Modulation to Reduce System EMI</li> <li>● Valley Turn on of External Power NPN Transistor to Reduce Switch Consumption</li> <li>● Built-in Soft Start</li> <li>● Open Circuit Protection</li> <li>● Over Voltage Protection</li> <li>● Short Circuit Protection</li> </ul>
<b>Typical Application</b>	<ul style="list-style-type: none"> <li>● Adapters/Chargers for Cell/Cordless Phones, PDAs, MP3 and Other Portable Apparatus</li> <li>● Standby and Auxiliary Power Supplies</li> </ul>
<b>Operating Diagram</b>	
<b>Max Power</b>	12 W
<b>Control Method</b>	DCM
<b>Typical Efficiency</b>	85% @ 12W
<b>Dimming</b>	N/A
<b>Power Mos</b>	External
<b>Linear</b>	±5%

<b>Adjustment Rate</b>	
<b>Load Adjustment Rate</b>	$\pm 5\%$
<b>Batch Consistency</b>	$\pm 5\%$
<b>Package</b>	SOP-8
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