


<b>Product</b>	D1482
<b>Product Info</b>	2A, 23V, Synchronous Rectified Step-Down Converter
<b>Description</b>	<p>The D1482 is a monolithic synchronous buck regulator. The device integrates 150mΩ MOSFETS that provide 2A continuous load current over a wide operating input voltage of 4.5 to 23V. Current mode control provides fast transient response and cycle-by-cycle current limit.</p> <p>An adjustable soft-start prevents inrush current at turn-on. In shutdown mode, the supply current drops below 1μA.</p> <p>This device, available in an 8-pin SOIC package, provides a very compact system solution with minimal reliance on external components.</p>
<b>Features</b>	<ul style="list-style-type: none"> <li>● 2A Output Current</li> <li>● Wide 4.5-23V Operating Input Range</li> <li>● Integrated 150mΩ Power MOSFET Switches</li> <li>● Output Adjustable from 0.925 to 20V</li> <li>● Up to 95% Efficiency</li> <li>● Programmable Soft-Start</li> <li>● Stable with Low ESR Ceramic Output Capacitors</li> <li>● Fixed 450KHz Frequency</li> <li>● Cycle-by-Cycle Over Current Protection</li> <li>● Input Under Voltage Lockout</li> <li>● Thermally Enhanced 8-Pin SOIC Package</li> </ul>
<b>Applications</b>	<ul style="list-style-type: none"> <li>● Distributed Power Systems</li> <li>● Networking Systems</li> <li>● FPGA, DSP, ASIC Power Supplies</li> <li>● Green Electronics/ Appliances</li> <li>● Notebook Computers</li> </ul>
<b>Typical Application</b>	
<b>IOUT (Max)</b>	2A

<b>VIN Range</b>	4.75 to 23 V
<b>YOUT</b>	ADJ
<b>Feed back Voltage</b>	0.922 V
<b>Switch Frequency</b>	400 kHz
<b>Adjustable Output</b>	0.925 to 20
<b>Package</b>	SOP-8
<b>Datasheet Download</b>	 <a href="#">Click here to download datasheet</a>
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