### Specification

**Input**
- Nominal ±10%
- 20mA pk-pk through 12μH
- None
- Capacitor

**Output**
- See table
- None
- 1.2%/1% ΔVin
- ±10% 20-100% load change (3.3 V models ±20%)
- ±3%
- 75 mV pk-pk max, 20 MHz bandwidth
- 0.02%/°C
- Dual: ±100μF, Single: 220μF

**General**
- See table
- 3000 VDC
- 10Ω
- 60 pF typical
- Variable, 80 KHz typical
- >1.1 MHrs to MIL-HDBK-217F at 25 °C, GB

**Environmental**
- -40 °C to +85 °C
- -40 °C to +125 °C
- 100 °C max
- Convection-cooled

**Safety**
- UL60950-1 & CAN/CSA C22.2 No. 60950-1
- UL62368-1 & CAN/CSA C22.2 No. 62368-1
- CE & UKCA meets all applicable directives & legislation.

**Notes**
1. For dual output, delete suffix ‘A’, and split current equally between rails.
2. For DIP package, replace ‘S’ in part number with ‘D’.
3. Operation at no load will not damage unit but it may not meet all specifications.
4. For 4000 VDC Isolation, add suffix ‘-H4’. For 6000 VDC Isolation, add suffix ‘-H6’.
5. All dimensions in inches (mm).
6. Pin pitch tolerance: ±0.014 (±0.35)
7. Case tolerance: ±0.02 (±0.5)
8. Weight: SIP 0.006 lbs (2.6 g), DIP 0.005 lbs (2.3 g)

### Mechanical Details

**Input Voltage**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>No Load Input Current</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Efficiency</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV0503SA</td>
<td>30 mA</td>
<td>3.3 V</td>
<td>300 mA</td>
<td>75%</td>
<td>IV0503SA</td>
</tr>
<tr>
<td>IV0505SA</td>
<td>30 mA</td>
<td>5.0 V</td>
<td>200 mA</td>
<td>78%</td>
<td>IV0505SA</td>
</tr>
<tr>
<td>IV0509SA</td>
<td>30 mA</td>
<td>9.0 V</td>
<td>112 mA</td>
<td>75%</td>
<td>IV0509SA</td>
</tr>
<tr>
<td>IV0512SA</td>
<td>30 mA</td>
<td>12.0 V</td>
<td>84 mA</td>
<td>76%</td>
<td>IV0512SA</td>
</tr>
<tr>
<td>IV0515SA</td>
<td>30 mA</td>
<td>15.0 V</td>
<td>66 mA</td>
<td>76%</td>
<td>IV0515SA</td>
</tr>
<tr>
<td>IV0524SA</td>
<td>30 mA</td>
<td>24.0 V</td>
<td>42 mA</td>
<td>72%</td>
<td>IV0524SA</td>
</tr>
</tbody>
</table>

**Notes**

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3. Operation at no load will not damage unit but it may not meet all specifications.
4. For 4000 VDC Isolation, add suffix ‘-H4’. For 6000 VDC Isolation, add suffix ‘-H6’.
5. All dimensions in inches (mm).
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7. Case tolerance: ±0.02 (±0.5)
8. Weight: SIP 0.006 lbs (2.6 g), DIP 0.005 lbs (2.3 g)