

2W DC-DC Unregulated Single Output



- 3000VDC I/O isolation
- Internal SMD technology
- Built-in EMI filter
- Protection: Short circuit
- Cooling by free air convection
- Non-conductive plastic case
- Single in line package
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

Mechanism		Pin Configuration										
<p>Unit: mm(inch)</p> <p>FRONT VIEW</p> <p>BOTTOM VIEW</p>		<table border="1"> <thead> <tr> <th>Pin No.</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+Vin</td> </tr> <tr> <td>2</td> <td>-Vin</td> </tr> <tr> <td>5</td> <td>-Vout</td> </tr> <tr> <td>7</td> <td>+Vout</td> </tr> </tbody> </table>	Pin No.	Output	1	+Vin	2	-Vin	5	-Vout	7	+Vout
Pin No.	Output											
1	+Vin											
2	-Vin											
5	-Vout											
7	+Vout											

Voltage set point accuracy ...	$\pm 2\%$ (max.)
Line regulation	$\pm 1.2\%$ (max.) for 1% input variation
Load regulation	$\pm 8\%$ (max.)@20~100% load
Efficiency	83% (typical)
Short circuit protection	Momentary
Switching frequency	100kHz (min.)
I/O isolation voltage	3000VDC (min.)
I/O isolation resistance	100M Ω (min.)
Isolation capacitance	80pF (max.)
Working temperature	-25°C to +60°C (no derating), +71°C@80% load
Storage temperature	-25°C to +105°C
Temp. Coefficient	$\pm 0.03\%$ / °C (max.)
Case material	non-conductive plastic
EMI	Compliance to EN55022 Class B, FCC part15 Class B

Model No.	Input (VDC)	Output (VDC)	Current (mA)	R&N (mVp-p)
SPU02L-05	5 $\pm 10\%$	5	400	100
SPU02L-12	5 $\pm 10\%$	12	167	100
SPU02L-15	5 $\pm 10\%$	15	133	100
SPU02M-05	12 $\pm 10\%$	5	400	100
SPU02M-12	12 $\pm 10\%$	12	167	100
SPU02M-15	12 $\pm 10\%$	15	133	100
SPU02N-05	24 $\pm 10\%$	5	400	100
SPU02N-12	24 $\pm 10\%$	12	167	100
SPU02N-15	24 $\pm 10\%$	15	133	100