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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation, and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!


## Contact us

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## SL5. 100



- Output: 24V / 5A
- Power boost up to 6A
- High overload current, no switch-off
- Quasi-Wide-Range Input
- Robust mechanics and EMC


## Output

Output voltage
Output noise suppression

Ambient temperature range $\mathrm{T}_{\mathrm{amb}}$

| Continuous loading (at $T_{\text {amb }}=-10^{\circ} \mathrm{C} . .+60^{\circ} \mathrm{C}$, convection cooling), see also diagram overleaf. For start at $\mathrm{T}_{\mathrm{amb}}<0^{\circ} \mathrm{C}$ and low input voltage, please contact PULS. | Switch | AC/DCin |  | lout |
| :---: | :---: | :---: | :---: | :---: |
|  | 230V | 176-264 V | ACin | 5 A/6A* |
|  |  | 95-176 V | ACin | 3 A |
|  |  | 210-375 V | DCin | 5A/6A* |
|  |  | 150-210 V | DCin | 3 A |
|  |  | 100-150 V | DCin | 2 A |
| Output is protected against short circuit, open circuit and overload | 115V | 85-132 V | ACin | 5 A/6 A* |
|  | * short-term $6 \mathrm{~A}(<1 \mathrm{~min})$, at $45^{\circ} \mathrm{C}$ or forced cooling even continuous |  |  |  |
| Derating | typ. $3 \mathrm{~W} / \mathrm{K} \quad$ (at $\mathrm{T}_{\mathrm{amb}}=+60^{\circ} \mathrm{C} \ldots+70^{\circ} \mathrm{C}$ ) |  |  |  |
| Voltage regulation | better than 2\% Vout overall |  |  |  |
| Ripple / Noise | < 50 mV Pp, ( 20 MHz bandw., $50 \Omega$ measurem.) |  |  |  |
| Overvolt. protection | typ. 29 V |  |  |  |
| Parallel operation | yes; current sharing available on request |  |  |  |
| Power back immunity | 26 V |  |  |  |

Front panel indicator Green LED, goes out at $\mathrm{V}_{\text {out }}<18 \mathrm{~V}$

## Start / Overload Behaviour

| Startup delay | typ. 0.1 s |
| :--- | :--- |
| Rise time | ca. $5-20 \mathrm{~ms}$, depending on load |

Rise time ca. 5-20 ms, depending on load

Overload Behaviour

- Special PULS Over- - no disconnection, no hiccup if overloaded load Design (see diagram overleaf)
- $20 \%$ power boost
- high overload current (up to $1.9 \mathrm{I}_{\text {Nom }}$ ), Vout is gradually reduced with increasing current.
- 6A short-term, at $45^{\circ} \mathrm{C}$ or forced cooling even continuous


## Advantages:

- High short-circuit current, giving large 'start-up window': unit starts reliably even with awkward loads (DC-DC converters, motors).
- No 'sticking' such as can occur with fold-back characteristics
- Secondary fuses operate reliably


## Order information

| Order number | Description |
| :--- | :--- |
| SL5.100 | (Basic version*) |
| SLR5.100 | (N+1 redundancy*) |
| SLS5.100 | (Safety Cover*) |
| SLZ01 | Screw mounting set, two needed per unit |

Output Current over Input Voltage (min.)



Output characteristic (min.)


Efficiency (min.)



Hold-up time (min.)


For further information, especially about

- EMC
- Connections
- Safety, Approvals
- Mechanics und Mounting,
see page 2 of the „The SilverLine" data sheet.


## For detailed dimensions

see SilverLine mechanics data sheet SL2.5/ SL5/ SL10
Unless otherwise stated, specifications are valid for AC 230 V input voltage, $+25^{\circ} \mathrm{C}$ ambient temperature, and 5 min . run-in time. They are subject to change without prior notice.
Your partner in power supply:


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