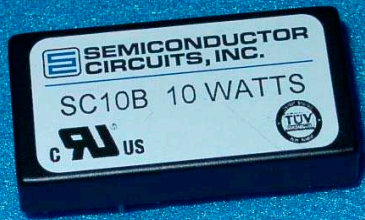


SC10B Series



DC/DC

10 Watts

Single/Dual Outputs

- Industry standard form factor 2 x 1 x 0.40
- Wide input voltage range
9-36 Vdc
18-75 Vdc
- Remote shutdown
- 400kHz switching frequency
- Continuous short circuit protection
- Six-sided shielding
- UL1950, cUL, EN60950

Specifications

INPUT

Voltage Range	9-36 Vdc 18-75 Vdc
Reverse Polarity Protected	To Nominal Input Current External Fuse Required
Remote On/Off Control	Optional

OUTPUT

Voltage Tolerance	± 1%
Ripple and Noise	50mV pk-pk (typ)
Short Circuit Protection	Continuous Power Cycle
Temperature Coefficient	0.02% / °C

GENERAL

Regulation:	
Line	0.25%
Load	0.5% (singles) 1.0% (duals)
Switching Frequency	400 kHz (±10%)
Efficiency	80-85% (typ)
I/O Isolation	1500 Vdc

ENVIRONMENTAL

Operating Temperature	-40°C to +60°C
Max Baseplate Temp	105°C
Storage Temperature	-55°C to +105°C
Cooling	Free-air Convection

All specifications are typical at nominal line and full load at 25°C unless otherwise noted and are subject to change without notice.

The SC10B series of cost sensitive single and dual output 10 watt DC/DC converters are specifically designed for critical applications requiring a compact, low profile case.

These high performance 10 watt converters offer a high switching frequency topology, 1500 Vdc I/O isolation, and efficiencies to 85%.

Fourteen models available. Two input voltage ranges of 9-36 Vdc and 18-75 Vdc provide regulated outputs of 3.3, 5, 12, 15 and ±5, ±12 and ±15 Vdc.

Applications

These units are ideally suited for telecommunications, distributed power systems, automatic test equipment, medical and process control.



**SEMICONDUCTOR
CIRCUITS, INC.**

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