

# SC25N Series



## DC/DC

### 25 Watts

Single/Dual/Triple Outputs

- Input ranges
  - 9-18 Vdc
  - 18-36 Vdc
  - 36-75 Vdc
- Remote shutdown
- 350kHz switching frequency
- Continuous short circuit protection
- Thermal Protection
- Industry Standard footprint
- Under Voltage Lockout

## Specifications

### INPUT

Voltage Range	9-18 Vdc 18-36 Vdc 36-75 Vdc
Reverse Polarity Protected	To Nominal Input Current External Fuse Required
Remote On/Off Control	All Models
UVLO	<32 Vdc (-48 only)

### OUTPUT

Voltage Tolerance	± 1% Main ± 3.0 Auxiliary ± 2.0 Duals
Ripple and Noise	1% V out pk-pk (20 MHz BW)
Short Circuit Protection	Continuous Power Cycle
Temperature Coefficient	0.02% / °C

### GENERAL

Regulation:	Main	Auxiliary	Dual
Line	0.1%	0.5%	0.2%
Load	0.75%	3.0%	0.5%
Efficiency	80-85% (typ)		
I/O Isolation	1500 Vdc		
Switching Frequency	350khz (typ)		

### ENVIRONMENTAL

Operating Temperature	-40°C to +60°C No Derating 100°C Max Baseplate
Storage Temperature	-40°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 25-Watt SC25N Series high performance 25 watt converters offer a high switching frequency topology, 1500 Vdc I/O isolation, and efficiencies to 82% typical over varying load conditions of 10% to 100%. Additional features include input reverse polarity protection, remote on/off control, logic compatible with CMOS or open collector TTL, short circuit protection with auto restart, overvoltage protection, and an operating temperature range of -40°C to +60°C with no derating. Units are packaged in an industry standard package and measure 2.00" x 2.00" x 0.52".

### Applications

These units are ideally suited for telecommunications, networking and applications having a widely varying input voltage such as automotive test equipment, process control, minicomputers and geosurvey equipment.



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