

25 Watts

AA25N

Total Power: 25 Watts
Input Voltages: 24V or 48V
No. of Outputs: Single, Dual, Triple



Special Features

- Ideal for telecom/networking applications
- High efficiency
- Unencapsulated 2.0" x 2.0" x 0.50" package.
- Integral heat spreader available
- 100°C Baseplate temperature
- Enable (on/off)
- Thermal protection
- 350kHz Switching frequency
- Under voltage lockout

Environmental

Operation case temperature range: -40°C to +100°C

Storage temperature: -40°C to +125°C

Humidity: 5% to 100%

Safety

UL	UL1950
CAN	CAN22.2-950
TUV	EN60950

Electrical Specs

Input

Input range	18-36 Vdc (24 Vdc nominal) 36 - 75Vdc (48Vdc nominal)
Input capacitance	2mF typical
Input reverse voltage protection	Fuse recommended
Input surge voltage	100V for 100mS (048L) 50V for 100mS (024L) 36V for 100mS (012L)
Input reflected ripple	<10mA (P-P) See Note 2
Undervoltage lockout	Vin<32V (-048L ONLY)
Efficiency	82% typical

Output

Voltage tolerance	Main Output ±1.0% Aux Output ±3.0% Dual Output ±2.0%
Line regulation	Main Output ±0.1% Aux Output ±0.5% Dual Output ±0.2%
Load regulation	Main Output ±0.75% Aux Output ±3.0% Dual Output ±0.5% (10% to 100% load) Note 6.
Noise/ripple	50mV P-P, Singles 100mVp-p, Dual , Triple
Short circuit protection	Continuous power cycle
Overvoltage protection	120% of VO, Typ
Transient response	2% VO typ; recovery <500msec typ (25% step load change to within 1%VO)
Temperature coefficient	±0.2%/°C
Switching frequency	350kHz

Control

Enable	on = 2.5 to 5.5Vdc or open circuit off = 0 to 0.8Vdc Ref. to -Vin. TTL compatible
Input current (enable OFF)	<10ma
Output trim	Single output models
Thermal shutdown	110°C Baseplate temperature (typ) Auto reset

Isolation

I/O isolation	1500Vdc
Isolation resistance	15 x 108 ohms

