

# 10 Watts

## AA10U

**Total Power:** 10 Watts  
**Input Voltages:** 12V, 24V or 48V  
**No. of Outputs:** Single, Dual



### Electrical Specs

#### Input

Input range	9 to 36 VDC; 18 to 75 VDC	
Input capacitance	48 models	1.5uF typical
	24 models	2.7uF typical
No load input power	150mW typical	
Input reflected ripple (P-P)	48 Models	4mA
	24 Models	10mA (see Note 2)
Efficiency	82% (typ)	

#### Output

Voltage tolerance	±1.0% (main); ±2.0% (aux) (factory set-point)	
Line regulation	+0.5% max (main); ±0.5% (aux)	
Load regulation	±0.5% (10% load to full load (singles))	
	±1.0% (10% load to full load (duals))	
Noise/ripple	1% p-p (See Note 1)	
Short circuit protection	Continuous Power Cycle	
Overvoltage protection	Zener clamp	
Transient response	1mS 50% Step load change to within 1% Vout	
Switching frequency	All models 380kHz except 150S & 150D Models 300kHz (typ.)	
Temperature coefficient	±0.02%/°C max.	

#### Isolation

I/O isolation	1500 VDC min
Insulation resistance	50 M ohm
Insulation capacitance	220pF
Fuse	.024 - 2.25A/250V 048 - 1A/250V

### Special Features

- Unencapsulated
- Wide 4:1 input range
- 1 year warranty
- 1.0" x 2.0" x 0.38" case
- Meets EN55022A for conducted noise

### Environmental

Operating ambient temperature range:  
-40°C to +75°C (no derating)

Baseplate: 105°C Max.

Storage Temperature: -55°C to +125°C

Humidity: 5% to 95% (non-condensing)

EMI/RFI Shielding: Five-Sided

MTBF: 361,000 hours (MIL-HDBK-217)

### Safety

**UL** UL 1950 Recognized  
CAN22.2-950 Recognized

**TUV** EN60950 Certified

