

Specifications

INPUT

Voltage Range

9-36Vdc

Filtering

20-72Vdc All Models

Reverse Polarity Protected

To Nominal Input Current External Fuse Required

Remote On/Off Control

All Models

OUTPUT

Voltage Tolerance

± 1% Main

Ripple and Noise

± 3% Auxiliary 50mV pk-pk

Short Circuit Protection

Continuous Power Cycle

Temperature Coefficient

0.02% / °C

GENERAL

Regulation:

Main Aux 0.5% 3.0%

Line Load

Cooling

1.0% 3.0%

Efficiency

77% (typ)

I/O Isolation Switching Frequency

500 Vdc 100khz (typ)

ENVIRONMENTAL

Operating Temperature Storage Temperature

-25°C to +71°C No Derating

-25°C to +105°C

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.



25 Watts

Single/Dual/Triple Outputs

- 4:1 ultra wide input range 9-36 Vdc 20-72 Vdc
- Remote shutdown
- 100kHz switching frequency
- Continuous short circuit protection
- Six-sided shielding

he 25-Watt TA series operates over an ultra wide input range of 9-36 Vdc or 20-72 Vdc. Efficiencies of 77% are typical over varying load conditions of 25% 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 -25°C to +71°C with no derating. Units are packaged in a six-sided continuous shielded case for EMI/RFI protection and measure 2.5" x 3.0" x 0.83".

Applications

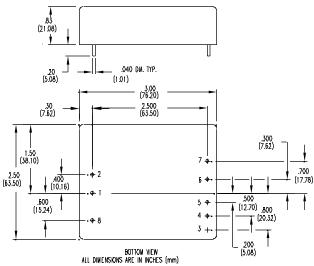
These units are ideally suited for telecommunications and applications having a widely varying input voltage such as automotive test equipment, process control, minicomputers and geosurvey equipment.



TA Series Ordering Information

Input Voltage	Output	Output	Model
Range	Voltage	Current	Number
9-36 Vdc	5 Vdc	5000mA	TA11-500-18
20-72 Vdc	5 Vdc	5000mA	TA11-500-48
9-36 Vdc	12 Vdc	2000mA	TA12-200-18
20-72 Vdc	12 Vdc	2000mA	TA12-200-48
9-36 Vdc	15 Vdc	1600mA	TA13-160-18
20-72 Vdc	15 Vdc	1600mA	TA13-160-48
9-36 Vdc	±12 Vdc	±1000mA	TA22-200-18
20-72 Vdc	±12 Vdc	±1000mA	TA22-200-48
9-36 Vdc	±15 Vdc	±800mA	TA23-160-18
20-72 Vdc	±15 Vdc	±800mA	TA23-160-48
9-36 Vdc	+5 / ±12Vdc	3500 / ±750mA	TA34-500-18
20-72 Vdc	+5 / ±12Vdc	3500 / ±750mA	TA34-500-48
9-36 Vdc	+5 / ±15Vdc	3500 / ±500mA	TA35-450-18
20-72 Vdc	+5 / ±15Vdc	3500 / ±500mA	TA35-450-48

Dimensions and Connections



Pins 0.040 (1.0) dia x 0.20 (5.1) lg min.

PIN CONNECTIONS Single Output

- 1. +Input
- 2. -Input
- 3. No Pin
- 4. Trim
- 4. IIIIII
- 5. No Pin
- 6. +Output
- 7. Common
- 8. Remote On/Off

PIN CONNECTIONS Multiple Outputs

- 1. +Input
- 2. -Input
- 3. +12 or 15 Output
- 4. Common
- 5. -12 or 15 Output
- 6. +5 Output
- 7. Common
- 8. Remote On/Off

NOTES:

- 1. Ripple measured with a 3.3 mf tantalum capacitor across each output.
- 2. Load regulation from full load to minimum load with all other outputs at rated load.
- 3. Minimum current required on 5V out only.
- 4. Maximum total power from all outputs is 25 Watts and no output is to exceed its maximum rated current.

External Output Trimming: Output may be externally trimmed ±10% (Single output only).

Remote ON/Off Control (pin 8) common referenced to Minus iput (pin 2).
On greater than 4 Vdc or open circuit
Off less than 1.2 Vdc

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