

TRA-1 Series ▶ 1 W

- ▶ Semi-regulated output
- ▶ Industry standard pinout
- ▶ Very high efficiency up to 88%
- ▶ Single and dual output models
- ▶ I/O isolation voltage 1000VDC
- ▶ Operating temperature range -40 °C to +85 °C

Full datasheet in progress !



NEW
Product

Specifications		Models			
Line regulation	1.2%	Order code	Input voltage	Output voltage	Output current max.
Load regulation (20- 100% load)	5% typ for 5V input models 4% typ for 12V input models 3% typ for 24V input models	TRA 1-0511		5 VDC	200 mA
Ripple & Noise	30 mVpk-pk typ. (20 MHz BW)	TRA 1-0519		9 VDC	110 mA
Short circuit protection	limited 0.5 sec.	TRA 1-0512		12 VDC	84 mA
Efficiency	86 % typ.	TRA 1-0513	5 VDC ± 10 %	15 VDC	67 mA
Operating temperature range	-40 °C to +85 °C (no derating)	TRA 1-0521		± 5 VDC	± 100 mA
I/O isolation test voltage	1000VDC	TRA 1-0522		± 12 VDC	± 42 mA
Casing	plastic (UL 94 V-0 rated)	TRA 1-0523		± 15 VDC	± 34 mA
		TRA 1-1211		5 VDC	200 mA
		TRA 1-1219		9 VDC	110 mA
		TRA 1-1212		12 VDC	84 mA
		TRA 1-1213	12 VDC ± 10 %	15 VDC	67 mA
		TRA 1-1221		± 5 VDC	± 100 mA
		TRA 1-1222		± 12 VDC	± 42 mA
		TRA 1-1223		± 15 VDC	± 34 mA
		TRA 1-2411		5 VDC	200 mA
		TRA 1-2419		9 VDC	110 mA
		TRA 1-2412		12 VDC	84 mA
		TRA 1-2413	24 VDC ± 10 %	15 VDC	67 mA
		TRA 1-2421		± 5 VDC	± 100 mA
		TRA 1-2422		± 12 VDC	± 42 mA
		TRA 1-2423		± 15 VDC	± 34 mA

Dimensions		Pin		
	<p>Bottom view</p> <p>Pin 1: 0.25 (0.01)</p> <p>Pin 2: 0.5 (0.02)</p> <p>Pin 4: 1.25 (0.05)</p> <p>Pin 5: 6.1 (0.24)</p> <p>Pin 6: 7.1 (0.28) for 24V input models</p>	Single output	Dual output	
		Pin	+ Vin (Vcc)	+ Vin (Vcc)
		- Vin (GND)	- Vin (GND)	- Vin (GND)
		- Vout	- Vout	- Vout
		No pin	Common	Common
		+ Vout	+ Vout	+ Vout

() = Inches