

TED Series

2 Watts Wide Input



Input Specification

- Input Range See Table
- No Load Input Current (typ) 5 V models 140 mA
12 V models 25 mA
24 V models 15 mA

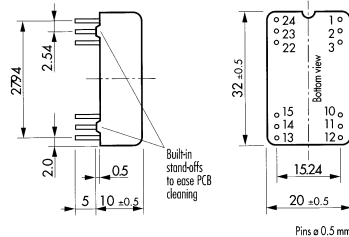
Output Specification

- Voltage Accuracy $\pm 2\%$ typ
- Line Regulation $\pm 0.5\%$
- Load Regulation $\pm 1.0\%$ single output models
 $\pm 2.0\%$ dual output models (10-90%)
- Temperature Coefficient $\pm 0.05\%/^{\circ}\text{C}$
- Ripple and Noise
Ripple 1 MHz $< 15\text{ mV pk-pk}$
Spikes (20 MHz bandwidth) $< 60\text{ mV pk-pk}$

General Specification

- Operating Temperature -25°C to $+75^{\circ}\text{C}$
- Isolation 500 V DC
- Input/Output 500 V DC
- Input/Case 500 V DC
- Switching Frequency 200 to 750 kHz
- Soldering Temperature $260^{\circ}\text{C}/10\text{ sec max}$
- Case Material Nickel Plated Steel

Input Voltage Range	Output Voltage	Output Current	Efficiency typ.	Model
4.5-5.5 V DC	5.0 V DC	400 mA	67%	TED 0511
	12.0 V DC	160 mA		TED 0512
	24.0 V DC	80 mA		TED 0514
	$\pm 12.0\text{ V DC}$	$\pm 80\text{ mA}$		TED 0521
	$\pm 15.0\text{ V DC}$	$\pm 65\text{ mA}$		TED 0522
9-18 V DC	5.0 V DC	400 mA	76%	TED 1211
	12.0 V DC	160 mA		TED 1212
	24.0 V DC	80 mA		TED 1214
	$\pm 12.0\text{ V DC}$	$\pm 80\text{ mA}$		TED 1221
	$\pm 15.0\text{ V DC}$	$\pm 65\text{ mA}$		TED 1222
18-36 V DC	5.0 V DC	400 mA	78%	TED 2411
	12.0 V DC	160 mA		TED 2412
	24.0 V DC	80 mA		TED 2414
	$\pm 12.0\text{ V DC}$	$\pm 80\text{ mA}$		TED 2421
	$\pm 15.0\text{ V DC}$	$\pm 65\text{ mA}$		TED 2422



Pin	Pin-Out	
	Single	Dual
1	+ V in	+ V in
2	n/c	- V out 2
3	n/c	+ V out 2
10	- V out	- V out 1
11	+ V out	+ V out 1
12	- V in	- V in
13	- V in	- V in
14	+ V out	+ V out 1
15	- V out	- V out 1
22	n/c	+ V out 2
23	n/c	- V out 2
24	+ V in	+ V in