

## 3 Watt / 24Pins DIL / 2000Vdc Isolation / 2:1 Input Range

### FEATURES:

1. Low Cost, High Performance
2. Miniature DIL Package And 2:1 Input Range
3. 2000Vdc Input/Output Isolation
4. No External Components Required
5. Low Profile and Compact Size

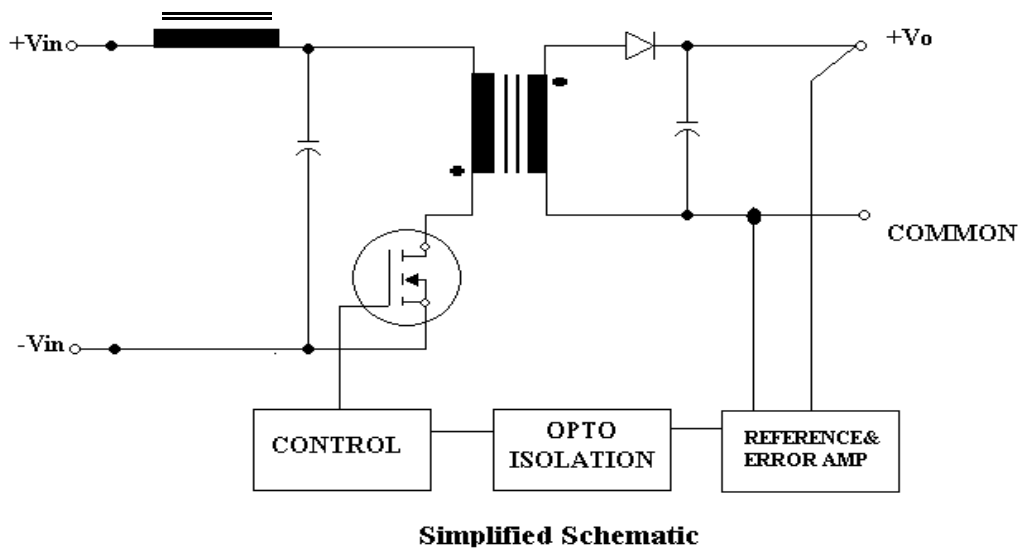
### APPLICATIONS:

1. Telecommunications
2. Battery Powered Systems
3. Transportation Equipment
4. Portable Instruments
5. Distributed Power Systems



### Specification At 25°C

<b>Input Specifications:</b>	<b>General Specifications:</b>
Input Voltage Range: See Table	Isolation Voltage: 2000Vdc
Input Filter: LC Type	Efficiency: See Table
<b>Output Specifications:</b>	Switching Frequency: 25KHz typical
Output Voltage & Current: See Table	Isolation Resistance: 1000M ohm
Voltage Accuracy: $\pm 3\%$ max	<b>Environmental Specifications:</b>
Output Voltage Balance (Dual Outputs): $\pm 1\%$	Operating Temperature: $-25$ to $+71^\circ\text{C}$
Line Regulation (at full load): $\pm 1\%$ max	Storage Temperature: $-40$ to $+105^\circ\text{C}$
Load Regulation (at full load to 1/4 load):	Cooling: Free air convection
Single Output: $\pm 1\%$ max, Dual Output: $\pm 2.5\%$ max	Humidity Non-Condensing: 20 to 95% RH
Temperature Coefficient: $\pm 0.05\%$ / $^\circ\text{C}$ max	<b>Physical Specifications:</b>
Ripple & Noise (20MHz BW): 1% p-p max	Case Material: Nickel-Coated Copper With Non-Conductive Base
Short Circuit Protection: Power Fold Back	Weight: 15 Grams Typical
Over Load Protection: Build-in	



# TAIMAG

## Ordering Information:

T	20	B	S	030	—	05	S	05
Company	Isolation Voltage	Input Vol. Model	Package	Output Watt		Input Voltage	Output Model	Output Voltage
TAIMAG	05=500,10=1000 15=1500,20=2000	A=±5%~10% B=2:1,C=4:1	S=Single D=Dual,SM=SMD	015=1.5Watt 030=3Watt		05=5V±5% Or 9-18V	S=Single D=Dual	05=5V

## Electrical Specification:

Model	Input			Output		Efficiency Typical % (a)	Package External Fuse (b)
	Voltage (Vdc)	Current(mA)		Voltage (Vdc)	Current (mA)		
		No-Load	Full-Load				
T20AD015-05S05	4.5-6.0	60	500	5	300	60	H/I ,1
T20AD015-05S12	4.5-6.0	170	470	12	125	63	H/I ,1
T20AD015-05S15	4.5-6.0	140	470	15	100	63	H/I ,1
T20AD025-05S05	4.5-6.0	140	825	5	500	60	H/I ,2
T20AD030-05S12	4.5-6.0	180	920	12	250	65	H/I ,2
T20AD030-05S15	4.5-6.0	180	920	15	200	65	H/I ,2
T20BD015-12S05	9-18	35	195	5	300	64	H/I ,0.5
T20BD015-12S12	9-18	30	180	12	125	69	H/I ,0.5
T20BD015-12S15	9-18	40	180	15	100	69	H/I ,0.5
T20BD025-12S05	9-18	140	315	5	500	66	H/I ,1
T20BD030-12S12	9-18	75	355	12	250	70	H/I ,1
T20BD030-12S15	9-18	70	355	15	200	70	H/I ,1
T20BD015-24S05	18-36	15	98	5	300	63	H/I ,1
T20BD015-24S12	18-36	20	90	12	125	69	H/I ,1
T20BD015-24S15	18-36	20	90	15	100	69	H/I ,1
T20BD025-24S05	18-36	30	160	5	500	65	H/I ,1
T20BD030-24S12	18-36	30	175	12	250	71	H/I ,1
T20BD030-24S15	18-36	40	175	15	200	71	H/I ,1
T20BD015-48S05	36-72	15	47	5	300	66	H/I ,2
T20BD015-48S12	36-72	20	43	12	125	72	H/I ,2
T20BD015-48S15	36-72	10	43	15	100	72	H/I ,2
T20BD025-48S05	36-72	20	75	5	500	69	H/I ,2
T20BD030-48S12	36-72	20	85	12	250	73	H/I ,2
T20BD030-48S15	36-72	20	85	15	200	73	H/I ,2

(a) Efficiency is specified at nominal input voltage and full load.

(b) Certain applications may require the installation of external fuse in front of the input.

Dimensions: Unit=mm±0.25

Pin Connections	
Pin Number	Package H/I
	Single
1&2	+Input
23&24	-Input
11&12	+Output
9&10	-Output

