

# TAIMAG

25 Watt / 2"×2"×0.45" DIL Package / 1500Vdc Isolation / 2:1 Input Range

## FEATURES:

1. Low Cost, High Performance
2. Miniature DIL Package And 2:1 Input Range
3. 1500Vdc Input/Output Isolation
4. No External Components Required
5. Low Profile and Compact Size

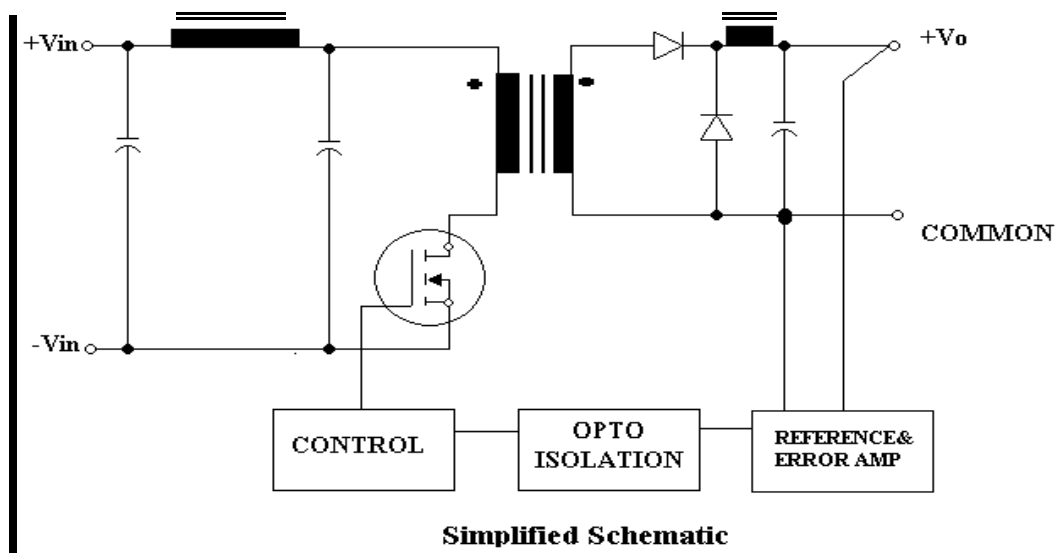
## APPLICATIONS:

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:1500Vdc
Input Filter: PI Type	Efficiency: See Table
	Switching Frequency: 160KHz typical
<b>Output Specifications:</b>	Isolation Resistance: 1000M ohm
Output Voltage & Current: See Table	<b>Environmental Specifications:</b>
Voltage Accuracy: ±2% max	Operating Temperature: -25 to +71°C
Output Voltage Balance(Dual Outputs): ±1%	Storage Temperature: -40 to +105°C
Line Regulation(at full load): ±1% max	Cooling: Free air convection
Load Regulation (at full load to 1/4 load):	Humidity Non-Condensing: 20 to 95% RH
Single Output:±1% max ,Dual Output:±2.5% max	<b>Physical Specifications:</b>
Temperature Coefficient: ± 0.05% / °C max	Case Material:Nickel-Coated Copper With Non-Conductive Base
Ripple & Noise(20MHz BW): 1% p-p max	Pin Material:Brass , Solder Coated
Short Circuit Protection: Power Fold Back	Weight: 80 Grams Typical
Over Load Protection:Build-in	



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## Ordering Information:

T	05	B	D	250	—	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	250=25Watt		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				
T15BD250-12S05	9-18	42	2540	5	5000	82	K ,6
T15BD250-12S12	9-18	42	2442	12	2100	85	K ,6
T15BD250-12S15	9-18	42	2398	15	1650	86	K ,6
T15BD250-12D05	9-18	42	2540	±5	±2500	82	K ,6
T15BD250-12D12	9-18	42	2442	±12	±1050	85	K ,6
T15BD250-12D15	9-18	42	2413	±15	±830	85	K ,6
T15BD250-24S05	18-36	36	1240	5	5000	84	K ,3
T15BD250-24S12	18-36	36	1193	12	2100	88	K ,3
T15BD250-24S15	18-36	36	1172	15	1650	88	K ,3
T15BD250-24D05	18-36	36	1255	±5	±2500	87	K ,3
T15BD250-24D12	18-36	36	1270	±12	±1050	82	K ,3
T15BD250-24D15	18-36	36	1193	±15	±830	86	K ,3
T15BD250-48S05	36-72	30	620	5	5000	84	K ,1.5
T15BD250-48S12	36-72	30	597	12	2100	87	K ,1.5
T15BD250-48S15	36-72	30	586	15	1650	87	K ,1.5
T15BD250-48D05	36-72	30	620	±5	±2500	84	K ,1.5
T15BD250-48D12	36-72	30	597	±12	±1050	87	K ,1.5
T15BD250-48D15	36-72	30	589	±15	±830	88	K ,1.5

(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 K	
	Single	Dual
1	+Input	+Input
2	-Input	-Input
3	-Output	-Output
4	No Pin	COM
5	+Output	+Output

