

# TAIMAG

10 Watt / 2"×1"×0.45" DIL Package / 500Vdc Isolation / 2:1 Input Range

## FEATURES:

1. Low Cost, High Performance
2. Miniature DIL Package And 2:1 Input Range
3. 500Vdc Input/Output Isolation
4. No External Components Required
5. Low Profile and Compact Size

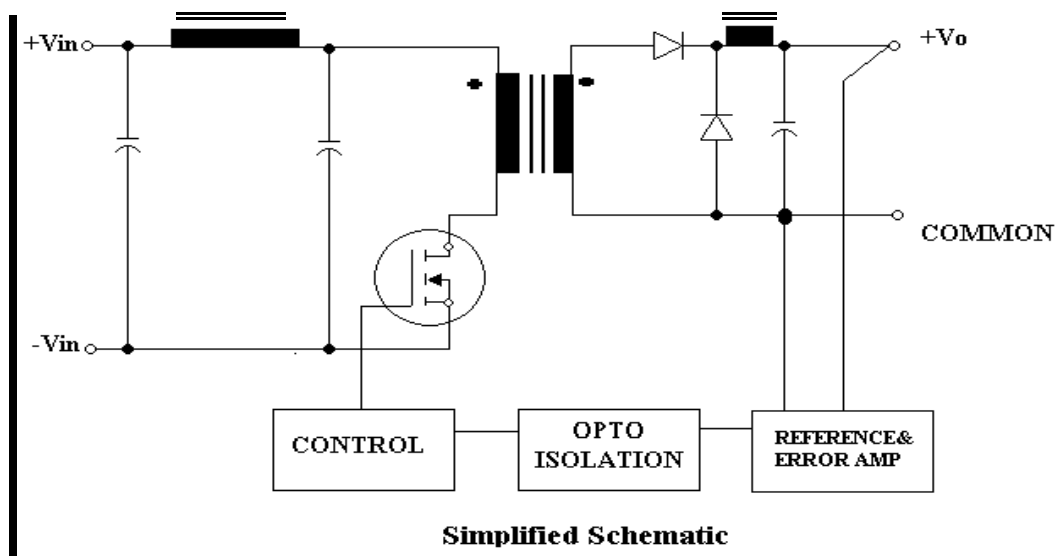
## APPLICATIONS:

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:500Vdc
Input Filter: PI Type	Efficiency: See Table
<b>Output Specifications:</b>	Switching Frequency: 100KHz typical
Output Voltage & Current: See Table	Isolation Resistance: 1000M ohm
Voltage Accuracy: ±2% max	<b>Environmental Specifications:</b>
Output Voltage Balance(Dual Outputs): ±1%	Operating Temperature: -25 to +71°C
Line Regulation(at full load): ±1% max	Storage Temperature: -40 to +105°C
Load Regulation (at full load to 1/4 load):	Cooling: Free air convection
Single Output:±1% max ,Dual Output:±2.5% max	Humidity Non-Condensing: 20 to 95% RH
Temperature Coefficient: ± 0.05% / °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: 32 Grams Typical
Over Load Protection:Build-in	



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## Ordering Information:

T	05	B	D	100	—	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	100=10Watt		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				
T05BD100-12S05	9-18	50	1100	5	2000	75	K ,2
T05BD100-12S12	9-18	50	1060	12	830	80	K ,2
T05BD100-12S15	9-18	50	1040	15	660	79	K ,2
T05BD100-12D05	9-18	50	1100	±5	±1000	75	K ,2
T05BD100-12D12	9-18	50	1060	±12	±415	75	K ,2
T05BD100-12D15	9-18	50	1100	±15	±330	77	K ,2
T05BD100-24S05	18-36	42	547	5	2000	76	K ,1
T05BD100-24S12	18-36	42	520	12	830	79	K ,1
T05BD100-24S15	18-36	42	530	15	660	77	K ,1
T05BD100-24D05	18-36	42	530	±5	±1000	78	K ,1
T05BD100-24D12	18-36	42	530	±12	±415	78	K ,1
T05BD100-24D15	18-36	42	547	±15	±330	75	K ,1
T05BD100-48S05	36-72	36	265	5	2000	78	K ,0.5
T05BD100-48S12	36-72	36	265	12	830	78	K ,0.5
T05BD100-48S15	36-72	36	265	15	660	77	K ,0.5
T05BD100-48D05	36-72	36	265	±5	±1000	78	K ,0.5
T05BD100-48D12	36-72	36	265	±12	±415	78	K ,0.5
T05BD100-48D15	36-72	36	265	±15	±330	77	K ,0.5

(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

