

TAIMAG

10 Watt / 2"×1"×0.45" DIL Package / 500Vdc Isolation / 3.3V Output

FEATURES:

1. Low Cost, High Performance
2. Miniature DIL Package And 3.3V Output
3. 500Vdc Input/Output Isolation
4. No External Components Required
5. Low Profile and Compact Size

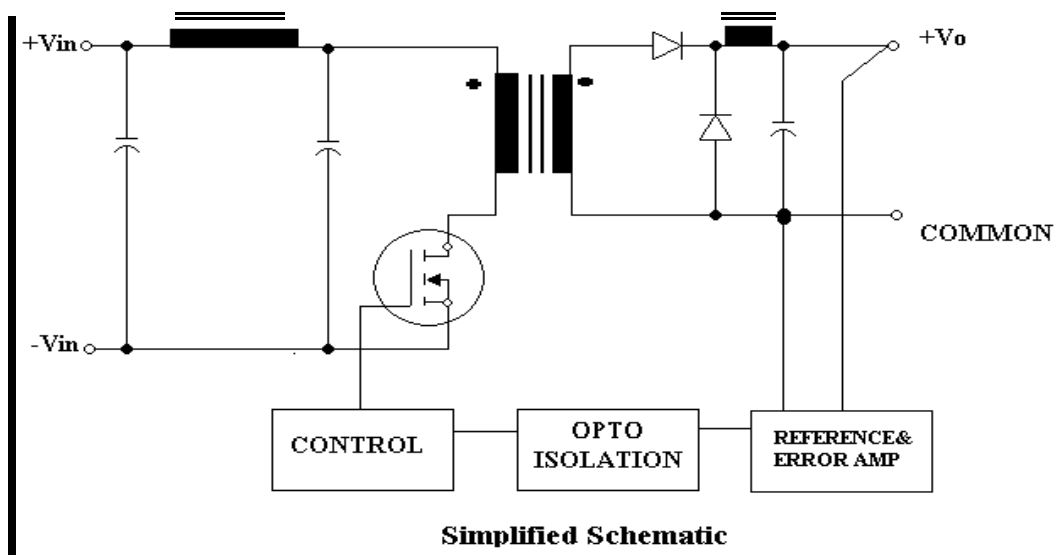
APPLICATIONS:

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



Specification At 25°C

Input Specifications:	General Specifications:
Input Voltage Range: See Table	Isolation Voltage:500Vdc
Input Filter: PI Type	Efficiency: See Table
	Switching Frequency: 100KHz typical
Output Specifications:	Isolation Resistance: 1000M ohm
Output Voltage & Current: See Table	Environmental Specifications:
Voltage Accuracy: $\pm 2\%$ max	Operating Temperature: -25 to +71°C
Output Voltage Balance(Dual Outputs): $\pm 1\%$	Storage Temperature: -40 to +105°C
Line Regulation(at full load): $\pm 1\%$ max	Cooling: Free air convection
Load Regulation (at full load to 1/4 load):	Humidity Non-Condensing: 20 to 95% RH
Single Output: $\pm 1\%$ max ,Dual Output: $\pm 2.5\%$ max	Physical Specifications:
Temperature Coefficient: $\pm 0.05\%$ / °C max	Case Material:Nickel-Coated Copper With Non-Conductive Base
Ripple & Noise(20MHz BW): 1% p-p max	Pin Material: Brass,Solder Coated
3.3V&5V:100mVpp max	Weight: 32 Grams Typical
Short Circuit Protection: Power Fold Back	



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Ordering Information:

T	05	B	D	100	—	05	S	3.3
Company	Isolation Voltage	Input Vol. Model	Package	Output Watt		Input Voltage	Output Model	Output Voltage
TAIMAG	05=500,10=1000	A=±5%~10%	S=Single	100=10Watt		05=5V±5%	S=Single	05=5V
	15=1500,20=2000	B=2:1,C=4:1	D=Dual,SM=SMD			Or 9-18V	D=Dual	

Electrical Specification:

Model	Input			Output		Efficiency Typical % (a)	Package External Fuse (b)
	Voltage (Vdc)	Current(mA)		Voltage (Vdc)	Current (mA)		
		No-Load	Full-Load				
T05AD100-05S05	4.5-6.0	15	2666	5	2000	75	K ,6
T05AD100-05S12	4.5-6.0	15	2462	12	800	73	K ,6
T05AD100-05S15	4.5-6.0	15	2600	15	667	76	K ,6
T05AD100-05D05	4.5-6.0	15	2666	±5	±1000	75	K ,6
T05AD100-05D12	4.5-6.0	15	2666	±12	±400	72	K ,6
T05AD100-05D15	4.5-6.0	15	2639	±15	±333	75	K ,6
T05AD100-05S3.3	4.5-6.0	15	2666	3.3	3000	74	K ,6
T05BD100-12S3.3	9-18	28	1031	3.3	3000	80	K ,2.5
T05BD100-24S3.3	18-36	30	516	3.3	3000	79	K ,1.5
T05BD100-48S3.3	36-72	32	255	3.3	3000	80	K ,1

(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

