

TAIMAG

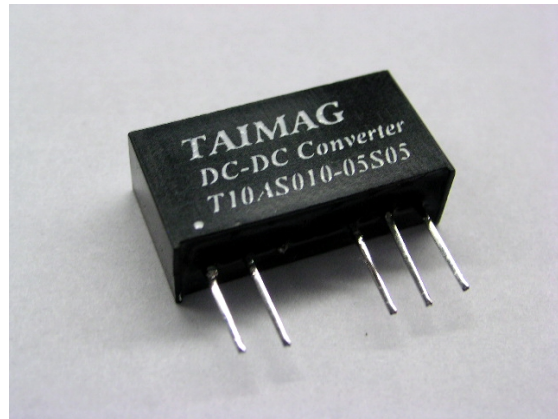
1.0 Watt / 14Pins DIP / 7Pins SIP / 1000Vdc Isolation / Package G / Package D

FEATURES:

1. Low Cost, High Performance
2. Miniature SIP/DIP Package
3. 1000Vdc Input/Output Isolation
4. No External Components Required
5. Low Profile and Compact Size

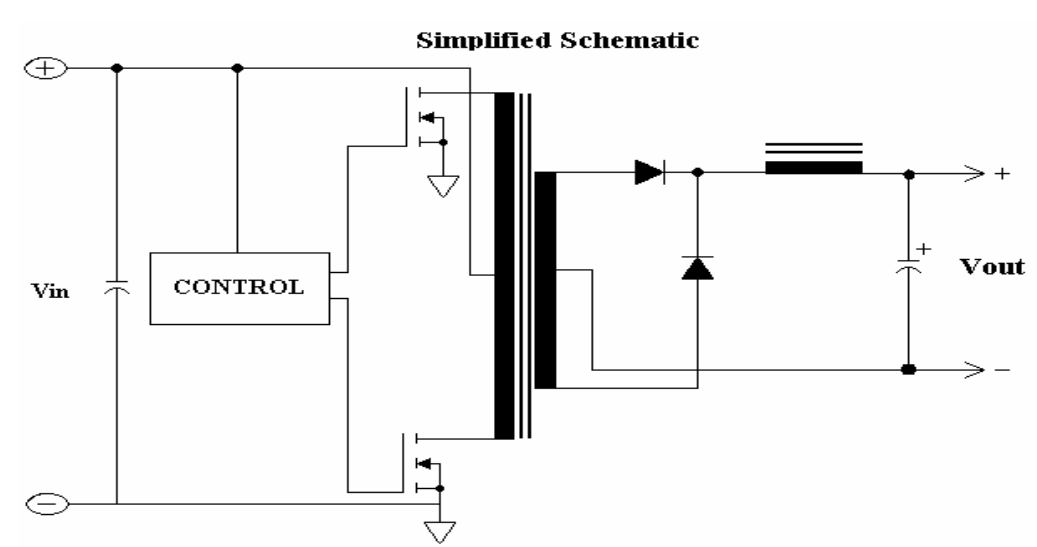
APPLICATIONS:

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: $\pm 5\%$	Isolation Voltage: 1000Vdc
Input Filter: Internal Capacitor	Efficiency: See Table
Output Specifications:	Switching Frequency: 100KHz typical
Output Voltage & Current: See Table	Isolation Resistance: 1000M ohm
Voltage Accuracy: $\pm 3\%$ max	Environmental Specifications:
Output Voltage Balance (Dual Outputs): $\pm 1\%$	Operating Temperature: -25 to +71°C
Line Regulation (at full load): $\pm 10\%$ max	Storage Temperature: -40 to +105°C
Load Regulation (at full load to 1/4 load):	Cooling: Free air convection
$\pm 10\%$ max	Humidity Non-Condensing: 20 to 95% RH
Temperature Coefficient: $\pm 0.05\%$ / °C max	Physical Specifications:
Ripple & Noise (20MHz BW): 1% p-p max	Case Material: Non-Conductive Plastic Case
Short Circuit Protection: Momentary	Weight: 2.4 Grams Typical





Ordering Information:

T	05	A	S	010	—	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	010=1Watt		05=5V±5% Or 9-18V	S=Single D=Dual	05=5V

Electrical Specification:

Model	Input			Output		Efficiency Typical % (a)	Package
	Voltage (Vdc)	Current(mA)		Voltage (Vdc)	Current (mA)		
		No-Load	Full-Load				
T10AS010-05S3.3	5	30	285	3.3	300	69	D
T10AS010-05S05	5	30	285	5	200	70	D
T10AS010-05S09	5	30	265	9	110	74	D
T10AS010-05S12	5	30	265	12	75	67	D
T10AS010-05S15	5	30	265	15	60	67	D
T10AS010-12S3.3	12	20	120	3.3	300	68	D
T10AS010-12S05	12	20	120	5	200	69	D
T10AS010-12S09	12	20	110	9	110	75	D
T10AS010-12S12	12	20	110	12	80	72	D
T10AS010-12S15	12	20	110	15	68	77	D
T10AS010-05D05	5	50	285	±5	±100	70	D
T10AS010-05D09	5	50	265	±9	±56	76	D
T10AS010-05D12	5	50	265	±12	±42	76	D
T10AS010-05D15	5	60	265	±15	±34	76	D
T10AS010-12D05	12	25	120	±5	±100	69	D
T10AS010-12D09	12	25	110	±9	±56	76	D
T10AS010-12D12	12	20	110	±12	±42	76	D
T10AS010-12D15	12	20	110	±15	±34	77	D
T10AD010-05D05	5	50	285	±5	±100	70	G
T10AD010-05D09	5	50	265	±9	±56	76	G
T10AD010-05D12	5	50	265	±12	±42	76	G
T10AD010-05D15	5	60	265	±15	±34	76	G
T10AD010-12D05	12	25	120	±5	±100	69	G
T10AD010-12D09	12	25	110	±9	±56	76	G
T10AD010-12D12	12	20	110	±12	±42	76	G
T10AD010-12D15	12	20	110	±15	±34	77	G

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

Dimensions: Unit=mm±0.25

Pin Connections				
Pin Number	S Series		D Series	
	Single	Dual	Single	Dual
1	+Input	+Input	-Input	-Input
2,7	-Input	-Input	NC	NC
4,11	-Output	-Output	-Output	-Output
5,8	No Pin	COM	No Pin	COM
6,9	+Output	+Output	+Output	+Output
14			+Input	+Input

