

3 Watt / 24Pins DIL / 1500Vdc Isolation / 4:1 Input Range

FEATURES:

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

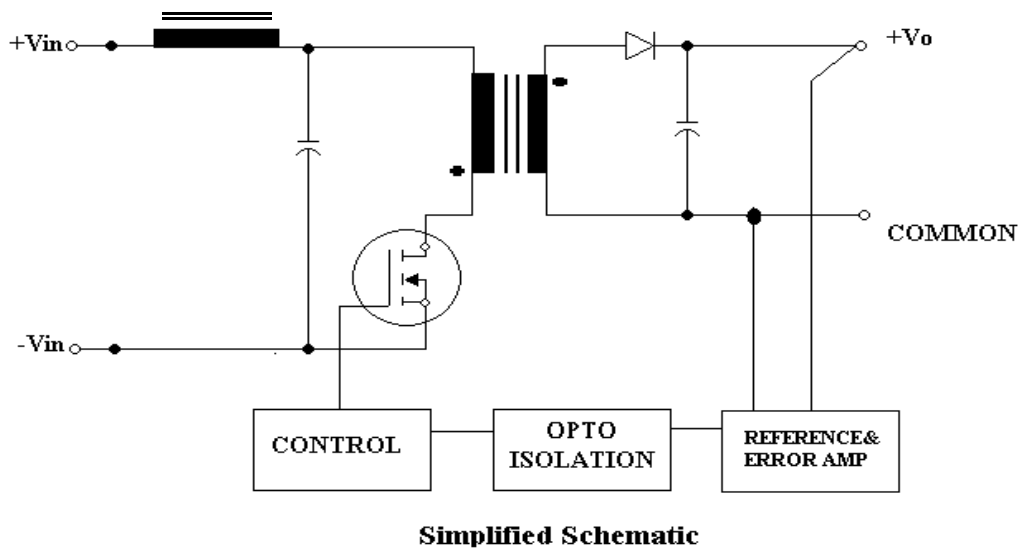
APPLICATIONS:

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



Specification At 25°C

Input Specifications:	General Specifications:
Input Voltage Range: See Table	Isolation Voltage:1500Vdc
Input Filter: LC Type	Efficiency: See Table
Output Specifications:	Switching Frequency:100KHz typical
Output Voltage & Current: See Table	Isolation Resistance: 1000M ohm
Voltage Accuracy: ±3% max	Environmental Specifications:
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	Physical Specifications:
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	05	C	D	030	—	05	S	05
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	030=3Watt		05=5V±5%	S=Single	05=5V
	15=1500,20=2000	B=2:1,C=4:1	D=Dual,SM=SMD	025=2.5Watt		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				
T15CD030-24S3.3	9-36	20	161	3.3	900	77	H/I ,1
T15CD030-24S05	9-36	20	170	5	600	81	H/I ,1
T15CD040-24S12	9-36	20	201	12	333	83	H/I ,1
T15CD040-24S15	9-36	20	201	15	267	83	H/I ,1
T15CD030-24D05	9-36	20	156	±5	±300	80	H/I ,1
T15CD040-24D12	9-36	20	201	±12	±167	83	H/I ,1
T15CD040-24D15	9-36	20	201	±15	±133	83	H/I ,1
T15CD030-48S3.3	18~75	10	79	3.3	900	78	H/I ,0.5
T15CD030-48S05	18~75	10	84	5	600	82	H/I ,0.5
T15CD040-48S12	18~75	10	98	12	333	85	H/I ,0.5
T15CD040-48S15	18~75	10	98	15	267	85	H/I ,0.5
T15CD030-48D05	18~75	10	76	±5	±300	82	H/I ,0.5
T15CD040-48D12	18~75	10	98	±12	±167	85	H/I ,0.5
T15CD040-48D15	18~75	10	98	±15	±133	85	H/I ,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 H/I	
	Single	Dual
22&23	+Input	+Input
2&3	-Input	-Input
14	+Output	+Output
16	-Output	COM
9	NC	COM
11	NC	-Output
1&24&12&13	Non PIN	

