15 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

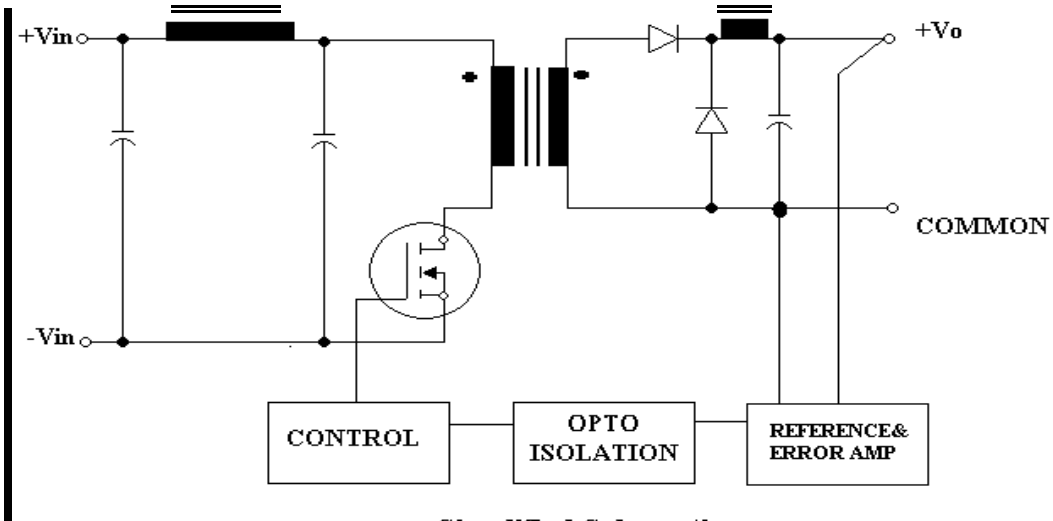
APPLICATIONS:

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

Specification At 25℃

Input Specifications:
Input Voltage Range: See Table
Input Filter: PI Type
Output Specifications:
Output Voltage & Current: See Table
Voltage Accuracy: ±2% max
Output Voltage Balance(Dual Outputs): ±1%
Line Regulation(at full load): ±1% max
Load Regulation (at full load to 1/4 load): Single Output:±1% max ,Dual Output:±2.5% max
Temperature Coefficient: ± 0.05% / ℃ max
Ripple & Noise(20MHz BW): 1% p-p max
Short Circuit Protection: Power Fold Back
Over Load Protection:Build-in

General Specifications:
Isolation Voltage:500Vdc
Efficiency: See Table
Switching Frequency: 100KHz typical
Isolation Resistance: 1000M ohm
Environmental Specifications:
Operating Temperature: -25 to +71℃
Storage Temperature: -40 to +105℃
Cooling: Free air convection
Humidity Non-Condensing: 20 to 95% RH
Physical Specifications:
Case Material:Nickel-Coated Copper With Non-Conductive Base
Weight: 32 Grams Typical



Simplified Schematic

Ordering Information:

T	05	B	D	150	—	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	150=15Watt		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				
T05BD150-12S05	9-18	50	1600	5	3000	78	K ,4
T05BD150-12S12	9-18	50	1560	12	1250	80	K ,4
T05BD150-12S15	9-18	50	1560	15	1000	80	K ,4
T05BD150-12D05	9-18	50	1600	±5	±1500	78	K ,4
T05BD150-12D12	9-18	50	1560	±12	±625	80	K ,4
T05BD150-12D15	9-18	50	1560	±15	±500	80	K ,4
T05BD150-24S05	18-36	30	790	5	3000	79	K ,2
T05BD150-24S12	18-36	30	780	12	1250	80	K ,2
T05BD150-24S15	18-36	30	780	15	1000	80	K ,2
T05BD150-24D05	18-36	30	790	±5	±1500	79	K ,2
T05BD150-24D12	18-36	30	780	±12	±625	80	K ,2
T05BD150-24D15	18-36	30	780	±15	±500	80	K ,2
T05BD150-48S05	36-72	20	395	5	3000	79	K ,1
T05BD150-48S12	36-72	20	390	12	1250	80	K ,1
T05BD150-48S15	36-72	20	390	15	1000	80	K ,1
T05BD150-48D05	36-72	20	395	±5	±1500	79	K ,1
T05BD150-48D12	36-72	20	390	±12	±625	80	K ,1
T05BD150-48D15	36-72	20	390	±15	±500	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	D Series	
	Single	Dual
1	+Input	+Input
2	-Input	-Input
3	+Output	+Output
4	No Pin	COM
5	-Output	-Output

Package K:Nickel-Coated Copper Base