

# TR25D

S E R I E S

## 25W SWITCHING ADAPTER DUAL OUTPUTS



### Features

- Universal Input Range 90-264VAC
- Meets EN55022 Class B and CISPR/FCC Class B, Conducted
- Continuous Short Circuit Protection
- Over Voltage Protection (Option)

### Ordering information

TR25D-0XY	- X	XX	X	XX
Model No.	DIN Type	Pin Assignment	OVP Option	DC Cable Length and Type
1:	5Pin Din Plug	1: Pin1,2,4-GND Pin3-V1 Pin5-V2	A: Without OVP Option	01: 720mm
2:	6Pin Mini Din Plug	2: Pin1,3,GND Pin2V1 Pin4V2	E: With OVP Option	02: 1200mm
3:	6Pin Din Plug	3: Pin1,2,GND Pin3,5V2 Pin4,6V1		03: 1800mm
4:	4Pin Din Plug	4: Pin1,2,GND Pin3,4V1 Pin5V2		05: 1200mm with Ferrite Core
5:	Sub-D 9Pin	5: Pin1,2,GND Pin3,4V1 Pin5V2		49: 1800mm with Ferrite Core
6:	Open end	7: Pin3,4V1 Pin1,2V2		* 18AWG
		8: NO Pin		
		9: Pin1-V1 Pin2-V2 Pin3,GND Pin4,5N.C.		
		11: Pin1,4+12V Pin2,GND Pin3,6+5V		

MODEL	OUTPUT VOLTAGE (VOLTS)	OUTPUT CURRENT (AMPS)			PEAK <sup>1</sup> (AMPS)	RIPPLE <sup>2</sup> , P-P (mV)	TOTAL REGULATION <sup>3</sup>	O/P POWER MAX.	SWITCHING FREQUENCY	%EFF.	MINI. LOAD
		MIN.	RATED	MAX.							
TR25D-01Y	+3.3V(V1)	0.3	3	4	5	50	±7%	20W	55KHz Typ.	65% min.	0.3A(V1)
	+5V(V2)	0.2	2	3	4	50	±5%				0.2A(V2)
TR25D-02Y	+5V(V1)	0.2	2	3	4	50	±5%	25W	55KHz Typ.	65% min.	0.2A(V1)
	+12V(V2)	0.13	1.3	2	3	120	±5%				0.13A(V2)
TR25D-03Y	+5V(V1)	0.2	2	3	4	50	±5%	25W	55KHz Typ.	65% min.	0.2A(V1)
	+15V(V2)	0.1	1	1.5	2	150	±5%				0.1A(V2)
TR25D-04Y	+5V(V1)	0.2	2	3	4	50	±5%	25W	55KHz Typ.	65% min.	0.2A(V1)
	+24V(V2)	0.1	0.6	1	1.5	240	±5%				0.1A(V2)

### Specifications

#### INPUT SPECIFICATIONS:

Voltage .....90 ~ 264Vac  
 Frequency .....47 to 63Hz  
 Inrush Current.....50A max. @ 240Vac  
 Conducted EMI.....CISPR/FCC Class B  
 Isolation .....Input to output =4,242VDC  
 Leakage Current.....1.5mA max.

#### OUTPUT SPECIFICATIONS:

Holdup Time .....16mS typ. @115Vac  
 Short Circuit Protection .....Continuous  
 Over Voltage Protection .....Option

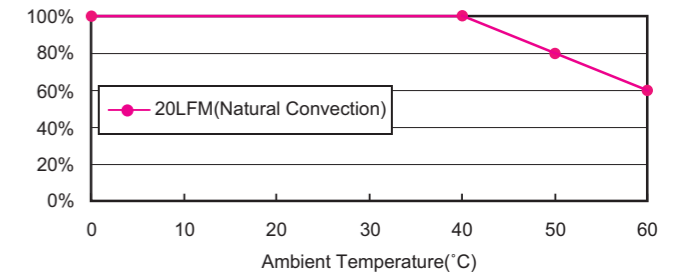
#### ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature .....0 ~ 40°C  
 Storage Temperature .....-20 ~ 85°C  
 Cooling.....Natural Convection

#### MECHANICAL CHARACTERISTICS:

Dimensions .....132.00 x 58.00 x 30.00mm(5.197 x 2.283 x 1.181 Inches)  
 Weight .....305g (0.67Pounds)  
 AC Inlet.....IEC320/C14

### TR25D Series Derating Curve



#### NOTE:

1. Peak output current (total output power must less than 32W) lasting less than one minute with duty factor less than 5%. During peak loading, output voltage may exceed total regulation limits.
2. Add a 0.1µF ceramic capacitor and a 10µF E.L. capacitor to the output cable. Peak to peak and RMS metering equipment shall have a 20 MHz response with probes and cables maintaining frequency response from 200Hz to 100MHz bandwidth. Output ripple and spikes are measured directly at the output terminals of the power supply without the use of the probe ground clip.
3. Total regulation is defined as the static output regulation at 25°C, including initial tolerance, line voltage within stated limits. And load currents within stated limits, but when V1 exceed rated load, the total regulation will be ±10%.

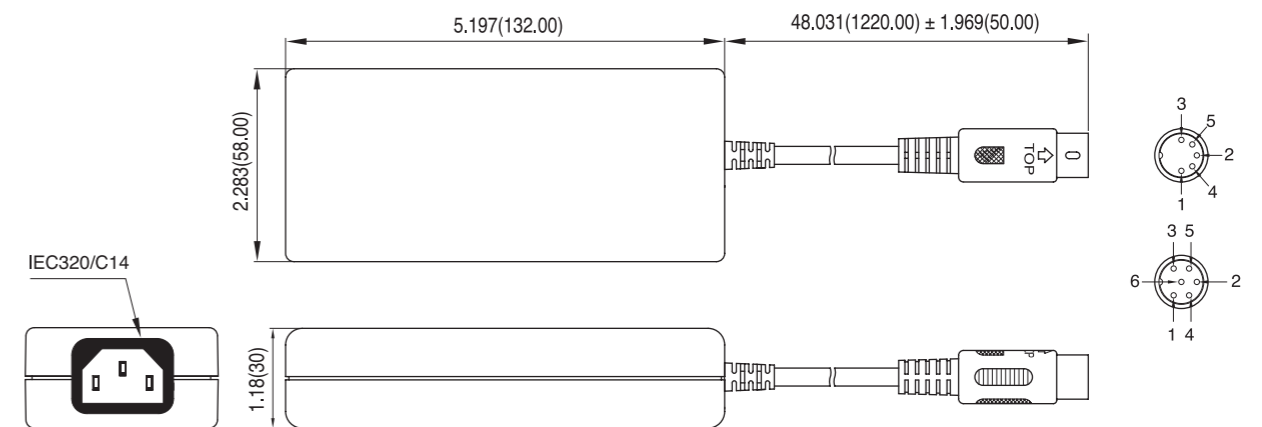
#### DC plug & pin assignment (CUSTOM DESIGN IS AVAILABLE)

OUTPUT NO.	TR25D-XX	-14A02	-35A02
PIN1	GND	DIN PLUG (5P 180°)	DIN PLUG (6P 240°)
PIN2	GND		
PIN3	NC		
PIN4	V1		
PIN5	V2		
PIN6	V1		

Y:SEC-GND is isolated from AC-GND.

### Mechanical Specification

All Dimensions In Inches(mm)  
 Tolerance Inches: x.xxx= ±0.02  
 Millimeters: x.xx= ±0.5



Typical at 25°C, nominal line and 75% load, unless otherwise Specified.

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Cincon:

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