



# TR25 SERIES 25W SWITCHING ADAPTER



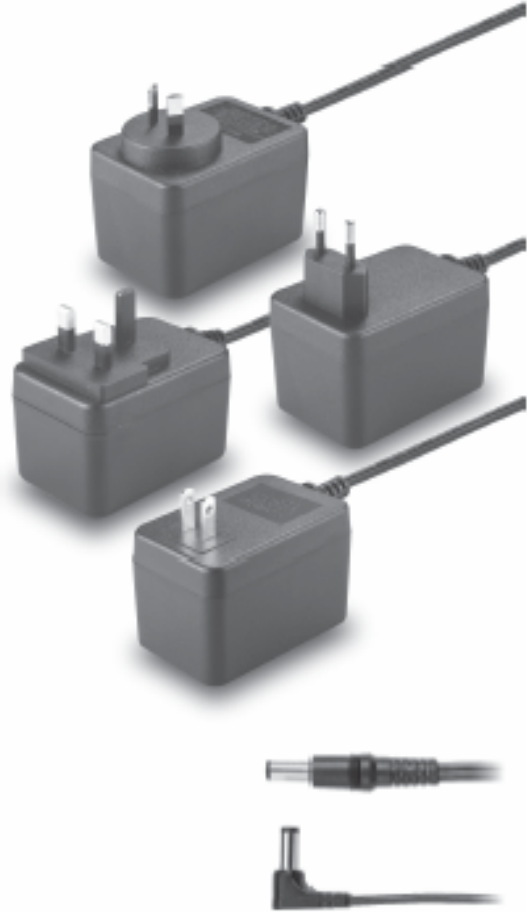
\* Not CE certified for the EU"

## Features

- \* Universal Input: 90-264Vac
- \* Meets EMI Meets EN55022 Class "B" and CISPR/FCC Class B
- \* Continuous Short Circuit Protection
- \* Over Voltage Protection (Option)

## Ordering information

TRG25XXX -	X	XX	X	XX
Model No.	AC Plug Type	DC Plug Type	OVP	DC Cable Length and Type
A:	USA 2 Pin	* Please see	A: without OVP Option	01: 720mm
E:	Europe 2 Pin	Page 213 for	E: With OVP Option	02: 1200mm
U:	British 3 Pin	more detailed		03: 1800mm
S:	Australia 2 Pin	descriptions		11: 7200mm with Ferrite Core
				12: 1200mm with Ferrite Core
				13: 1800mm with Ferrite Core
				* 18AWG / SPT1



MODEL	OUTPUT VOLTAGE	MIN. LOAD	MAX. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION	%EFF. (Typ.)
TR25033	3.3V	0A	4.0A	50mV	±2%	±1%	±6%	64%
TR25050	5V	0A	4.0A	1%	±2%	±1%	±6%	70%
TR25120	12V	0A	2.1A	1%	±2%	±1%	±5%	78%
TR25150	15V	0A	1.67A	1%	±2%	±1%	±3%	80%
TR25180	18V	0A	1.4A	1%	±2%	±1%	±2%	81%
TR25240	24V	0A	1.05A	1%	±2%	±1%	±2%	83%

## Specifications

### INPUT SPECIFICATIONS:

Voltage .....	90~264Vac
Frequency .....	47 to 63Hz
Inrush Current .....	0.7A max.
Inrush Current .....	50A max.
Conducted EMI .....	CISPR/FCC Class B
Leakage Current .....	0.25mA max.

### OUTPUT SPECIFICATIONS:

Holdup Time .....	10ms typ. @115Vac
Short Circuit Protection .....	Continuous(Auto Recovery)
Over Voltage Protection .....	TVS Component to Clamp
Temperature Coefficient .....	±0.05%/°C

### GENERAL SPECIFICATIONS:

Isolation .....	Input to output = 4,242VDC
Operating Temperature .....	0 ~ 60°C (see derating curve)
Storage Temperature .....	-20~85°C
Humidity .....	93% RH max. Non condensing
Cooling .....	Natural Convection
Switching Frequency .....	31KHz Typical
MTBF .....	MIL-HDBK-217F, GB, 25°C/115VAC .... 200K hrs min.
Altitude .....	2000m
Dimensions .....	3.169x1.932x2.205Inches (80.5x49.06x56.00mm)
Weight .....	280g(0.62 Pounds)

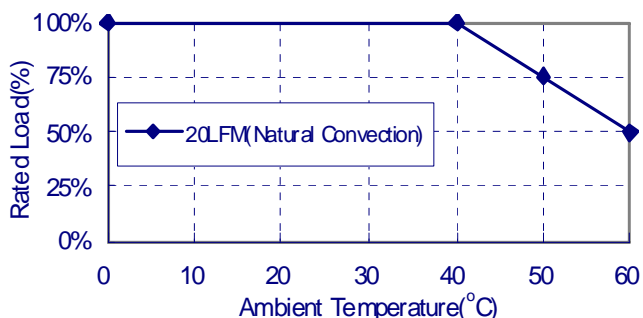
### SAFETY AND EMC:

Emission and Immunity .....	EN55022 Class B, FCC Part 15 Class B EN61000-6-3, EN61000-3-2, EN61000-3-3 EN55024, EN61204-3, EN61000-6-1
Safety .....	IEC60950-1, EN60950-1, UL60950-1

### NOTE:

1. Voltage setpoint at 60% full load
2. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation measured from 100Vac to 240Vac, full load.
4. Load regulation measured from 60% to 100% full load and from 60% to 20% load (60% +/- 40% full load)

### TR25R Series Derating Curve



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

## Mechanical Specification

All Dimensions are in inches(mm)

Tolerance: Inches:X.XXX±0.02

Millimeters:X.XX±0.5

