



## 30 Watt Switching Adapter Wall Mount, Series DVTRG30RAV



### Features

- Universal Input Range: 90 – 264Vac
- Interchangeable AC Plugs
- Continuous Short Circuit Protection
- Over Voltage Protection
- Meets EN61204-3 Class B and CISPR/FCC Class B
- Meet CoC Tier 2 & DoE Level VI
- No Load Power Consumption < 75mW
- Approved IEL/EN/UL62368-1  
(Output Cable Length  $\leq$  1800mm)

MODEL NUMBER	OUTPUT VOLTAGE [ VDC ]	OUTPUT CURRENT [ A ]	RIPPLE & NOISE [ %mV-pp ] NOTE1	VOLTAGE ACCURACY [ % ] NOTE2	LINE REGULATION [ % ] NOTE3	LOAD REGULATION [ % ] NOTE4	EFF. TYP. [ % ] NOTE5
TRG30RA050V	5	4,0	50	$\pm 2$	$\pm 1$	$\pm 6$	83
TRG30RA090V	9	3,0	90	$\pm 2$	$\pm 1$	$\pm 3$	87
TRG30RA120V	12	2,5	100	$\pm 2$	$\pm 1$	$\pm 2$	87
TRG30RA150V	15	2,0	100	$\pm 2$	$\pm 1$	$\pm 2$	87
TRG30RA180V	18	1,67	100	$\pm 2$	$\pm 1$	$\pm 2$	87
TRG30RA240V	24	1,25	100	$\pm 2$	$\pm 1$	$\pm 2$	87

#### NOTE:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage set point at 60% full load.
3. Line regulation measured from 100Vac to 240Vac full load.
4. Load regulation measured from 60% to full load and from 60% to 20% load (60% +/- 40% load).
5. Average Efficiency measured at 25%,50%,75%,100% load and input voltage is 115Vac / 230Vac.
6. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

#### Ordering information

TRG30RAXXV - Model No.	XX DC Plug Type	E OVP	XX DC Cable Length and Type	-	XX Color of Overmold Case	-	BK
			01: 720mm 02: 1220mm 03: 1800mm 11: 720mm with Ferrite Core 12: 1220mm with Ferrite Core 13: 1800mm with Ferrite Core *18AWG / UL1185 *16AWG / UL1185 for 5V / 9V		BE: Blue GY: Gray RD: Red PE: Purple OR: Orange		

Technische Änderungen vorbehalten / Technical change reserved without notice

### INPUT SPECIFICATIONS:

Input Voltage Range ..... 90-264Vac  
 Frequency ..... 47 to 63Hz  
 Input Current ..... 0,8A max.  
 Inrush Current ..... Cold start@25°C 100A max. @240Vac  
 Leakage Current ..... 0,25mA max.

### OUTPUT SPECIFICATIONS:

Hold-up Time ..... 10mS typ. @115Vac  
 Short Circuit Protection.....Hiccup Mode Continuous (Auto Recovery)  
 Over Voltage Protection ..... Latch

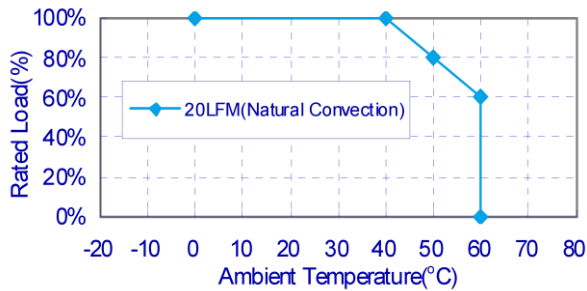
### GENERAL SPECIFICATIONS:

Isolation ..... Input to Input (4,242VDC)  
 Operating Temperature Range. -20°C to +60°C(see Derating Curve)  
 Storage Temperature Range.....-20°C to +85°C  
 Humidity..... 93% RH max. Non condensing  
 Cooling ..... Natural Convection  
 Switching Frequency.....70KHz typ.  
 MTBF (MIL-HDBK-217F, GB, at 25°C/115VAC) .....200K hrs min.  
 Altitude..... 5000m  
 Dimensions.... 108.67x61.98x36.70 mm (4.278x2.440x1.445 inches)  
 Weight ..... 300g typ.

### SAFETY & EMC:

Emission & Immunity .....FCC CFR Title 47 Part 15 Subpart B  
 EN61204-3, EN61000-3-2, EN61000-3-3  
 Safety.....Class II, IEC/EN/UL60950-1, IEC/EN/UL62368-1

### DERATING CURVE:



## MECHANICAL SPECIFICATION

All Dimensions are in inches(mm)  
 Tolerance: Inches: X.XXX±0.02  
 Millimeters: X.XX±0.5

