



## 10 Watt Switching Adapter Wall Mount Series DVTRG10R



### Features

- Universal Input: 90 – 264Vac
- Interchangeable AC Plugs
- Continuous Short Circuit Protection
- Meets EN55032 Class B and CISPR/FCC Class B
- Over Voltage Protection
- Approved IEC/EN/UL62368-1
- Meet CoC V5 Tier 2 & DoE Level VI
- No Load Power Consumption <75mW  
( Output Cable Length  $\leq$ 1800mm )

MODEL NUMBER	OUTPUT VOLTAGE [ VDC ]	MAX. LOAD [ mA ]	MIN. LOAD [ mA ]	RIPPLE & NOISE [ % ] (Note1)	VOLTAGE ACCURACY [ % ] (Note2)	LINE REG. [ % ] (Note3)	LOAD REG. [ % ] (Note4)	EFF. [ % ] TYP.
TRG10R050	5	1600	0	50mV	$\pm 2$	$\pm 1$	$\pm 4$	77
TRG10R059	5,9	1500	0	1	$\pm 2$	$\pm 1$	$\pm 3$	78
TRG10R060	6	1500	0	1	$\pm 2$	$\pm 1$	$\pm 3$	81
TRG10R075	7,5	1200	0	1	$\pm 2$	$\pm 1$	$\pm 3$	81
TRG10R090	9	1100	0	1	$\pm 2$	$\pm 1$	$\pm 2$	82
TRG10R120	12	850	0	1	$\pm 2$	$\pm 1$	$\pm 2$	82
TRG10R136	13,6	750	0	1	$\pm 2$	$\pm 1$	$\pm 2$	82
TRG10R150	15	700	0	1	$\pm 2$	$\pm 1$	$\pm 2$	82
TRG10R180	18	550	0	1	$\pm 2$	$\pm 1$	$\pm 2$	82
TRG10R240	24	400	0	1	$\pm 2$	$\pm 1$	$\pm 2$	81

### Ordering information

TRG10RXXX - Model No.	XX DC Plug Type	E OVP	XX DC Cable Length and Type
			01: 720mm 02: 1220mm 03: 1800mm 11: 720mm with Ferrite Core 12: 1220mm with Ferrite Core 13: 1800mm with Ferrite Core * 18AWG / UL1185 for Vo: 5V, 5.9V, 6V, 7.5V, 9V * 20AWG / UL1185 for Vo: 12V, 13.6V * 22AWG / UL1185 for Vo: 15V, 18V * 24AWG / UL1185 for Vo: 24V

### INPUT SPECIFICATIONS:

Input Voltage Range..... 90-264Vac  
Frequency..... 47 to 63Hz  
Input Current..... 0,4A max  
Inrush Current ( Cold start @25°C ) ..... 40A max. @240Vac  
Conducted EMI..... CISPR/FCC Class B  
Leakage Current..... 0,25mA max.

### OUTPUT SPECIFICATIONS:

Hold-up Time ..... 10mS typ. @ 115Vac  
Short Circuit Protection ..... Continuous (Auto Recovery)  
Over Voltage Protection ..... TVS Component to Clamp  
Temperature Coefficient..... ±0,05%/°C

### GENERAL SPECIFICATIONS:

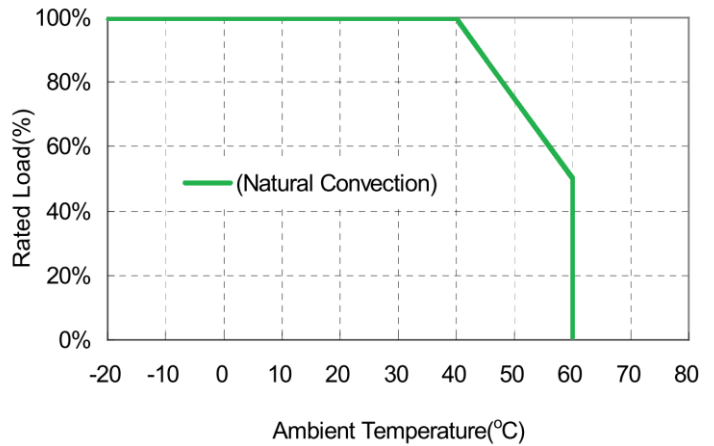
Isolation Input/Output ..... 4242VDC  
Operating Temperature Range ..... -20°C to +60°C  
Derating ..... see curve  
Storage Temperature Range ..... -20°C to +85°C  
Humidity ..... 93% RH max. Non condensing  
Cooling ..... Natural Convection  
Switching Frequency ..... 67KHz typ.  
MTBF ( MIL-HDBK-217F, GB, at 25°C/115VAC ..... 200K hrs min.  
Altitude ..... 2000m  
Dimensions ..... 72,6x46,3x35,6mm (2,858x1,823x1,402 Inches)  
Weight ..... 130g typ.

### SAFETY & EMC:

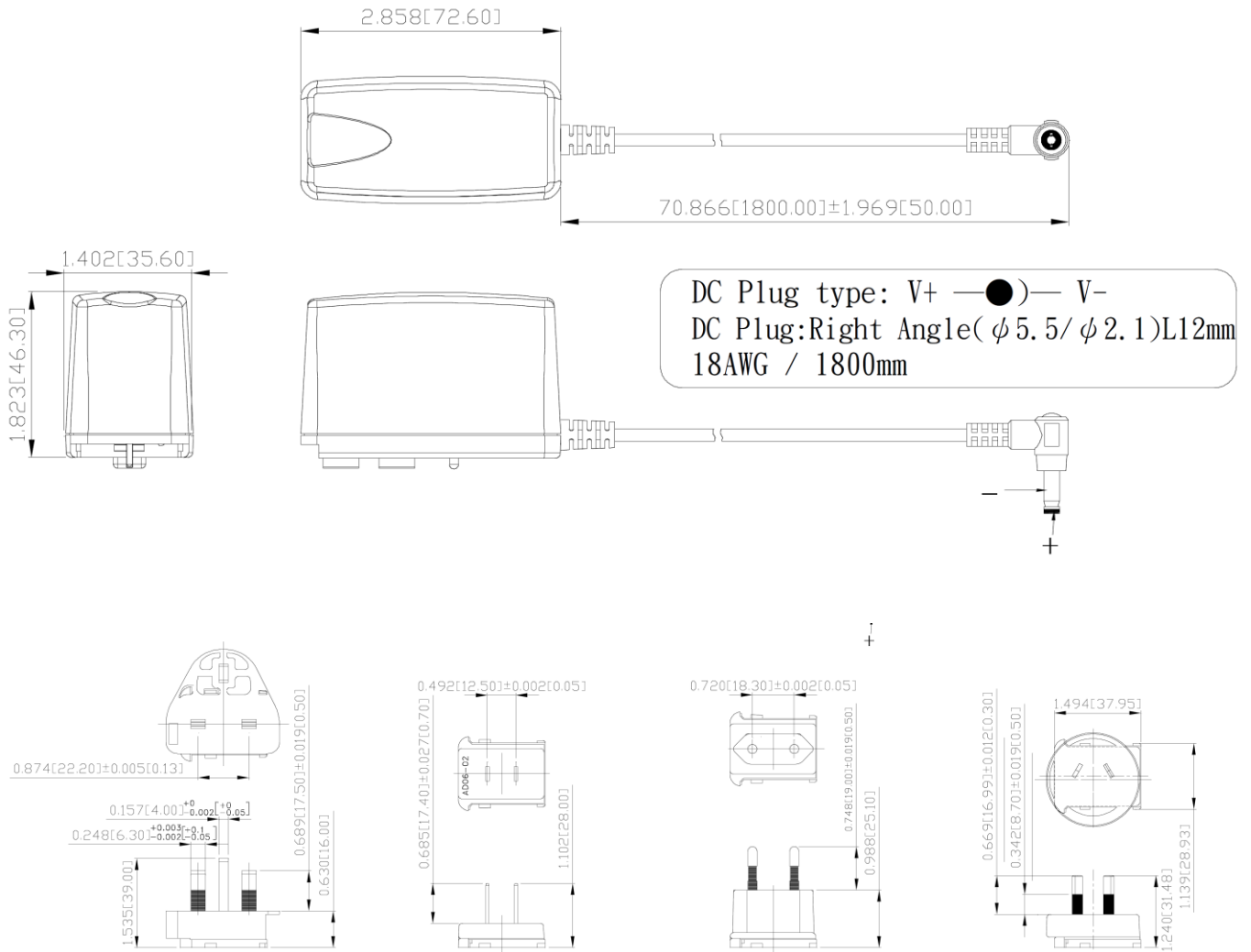
Emission & Immunity..... EN55032 Class B, FCC Part 15 Class B  
EN61000-6-3, EN61000-3-2, EN61000-3-3  
EN55024, EN61204-3, EN61000-6-1  
Safety..... Class II, IEC/EN/UL60950-1, IEC/EN/UL62368-1

### NOTE:

1. Add a 0.1uF ceramic capacitor and a 10uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2. Voltage setpoint 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.



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



Ordering AC Plugs: Order Number / Model  
 Europe: 17IP.030.001 / TRG10R-E  
 USA: 17IP.030.002 / TRG10R-A  
 Australia: 17IP.030.003 / TRG10R-S  
 UK: 17IP.030.004 / TRG10R-U