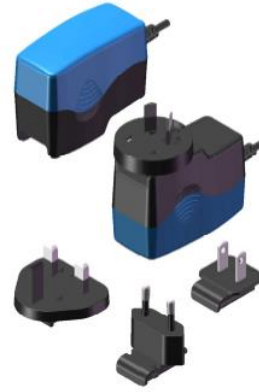




15 Watt Switching Adapter Wall Mount, Series DVTRE15RD



Features

- Universal Input Range: 90 – 264Vac
- High Efficiency up to 86%
- Interchangeable AC Plugs
- Class II
- No Load Power Consumption < 75mW
- Approved IEC/EN/UL 62368-1
- Meets EN55032 Class B and CISPR/FCC Class B
- Operating Altitude 5000m
- Over Voltage Protection
- Continuous Short Circuit Protection
- Meets CoC Tier 2 & DoE Level VI

MODEL NUMBER	OUTPUT VOLTAGE [VDC]	OUTPUT CURRENT MAX. [A]	RIPPLE & NOISE [mVp-p] Note 1	VOLTAGE ACCURACY [%] Note 2	LOAD REGULATION [%] Note 4	EFF. [%] Note 5	LOAD CAPACITANCE [μF] Note 3
TRE15RD050	5	2,0	50	±2	±4	79	2000
TRE15RD090	9	1,4	90	±2	±2	84	1500
TRE15RD120	12	1,0	100	±2	±2	83	1000
TRE15RD150	15	1,0	100	±2	±2	85	1000
TRE15RD240	24	0,63	100	±2	±2	86	660

- Note:
1. Voltage accuracy is set 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. Vin=115Vac and 230Vac, Output is max. load
 4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60%±40% full load).
 5. Typical efficiency at 230 Vac and 75% full load at 25°C.
 6. Typical at 25°C, nominal line and 75% load, unless otherwise specified.

Ordering Information						
Model	Output	AC Plug Type	DC Plug Type	Cable	DC Cable Length	Case Color
TRE15RD	XXX	-XXXX	-XX	X	XX	-XX-BK
15W I.T.E Adapter	050 : 5V	-ASUE : Include 4 Type Blank : Order Separately AC Adapter A: American type S: Australian type U: U.K. type E: European type	STANDARD OUTPUT DC PLUG	G: UL1571 with OVP	01: 720mm	BK-BK :
	090 : 9V				02: 1220mm	Black-Black
	120 : 12V				03: 1800mm	BE-BK:
	150 : 15V				11: 720mm with Ferrite Core	Blue-Black
	240 : 24V				12: 1220mm with Ferrite Core	RD-BK :
					13: 1800mm with Ferrite Core	Red-Black

Example:
 TRE15RD120-01G03-BE-BK, 12Vdc Output, DC Jack Type, Cable Length 1800mm, Case Color Blue-Black
 TRE15RD120-ASUE-01G03-BE-BK, 12Vdc Output, Include 4 Type AC Plug, DC Jack Type, Cable Length 1800mm, Case Color Blue -Black

INPUT SPECIFICATIONS:

Input Voltage Range.....	90-264Vac
Input Frequency Range.....	47 to 63Hz
Input Current.....	100% Load, Vin=100Vac 0,5A max.
Leakage Current.....	250µA max.
Inrush Current.....	Vin=240Vac, Cold start at 25°C 50A max.

OUTPUT SPECIFICATIONS:

Hold-up Time.....	Vin 115Vac 10mS typ.
Line Regulation.....	From 100Vac to 240Vac with 100% full load ±1.0% max.
Over Voltage Protection.....	Auto recovery IC Component to Clamp
Over Current Protection.....	Auto recovery 110% min. - 160% max.
Short Circuit Protection.....	Auto recovery Continuous

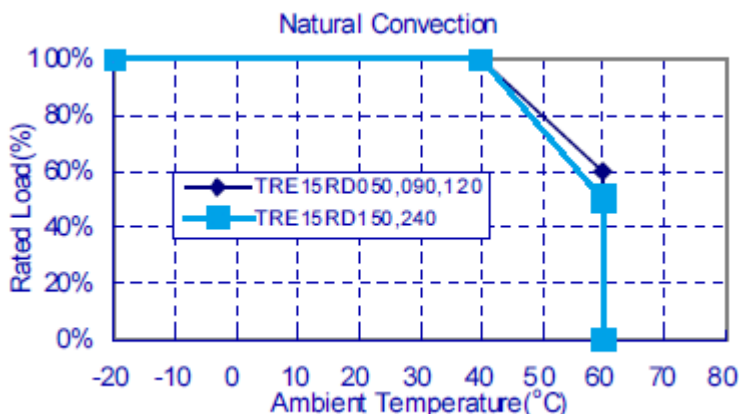
GENERAL SPECIFICATIONS:

Isolation Input to Output.....	1 minute (without dielectric breakdown) 3000VAC max.
Isolation Resistance.....	Input to Output 100 MΩ min.
Switching Frequency.....	Vin=230Vac, Io=100% 65KHz typ.
Operating Temperature Range.....	see derating curve -20°C to +60°C
Storage Temperature Range.....	-20°C to +85°C
Humidity.....	Non condensing 93% RH max.
Cooling.....	Natural Convection
MTBF.....	Io=100%; Ta=25°C per MIL-HDBK-217F 330Khrs min.
Altitude.....	5000m max.
Shock.....	MIL-STD-810F Table 516.5 75g typ.
Vibration.....	MIL-STD-810F Table 514.5C-VIII 4g typ
Dimensions.....	72,00 x 57,00 x 33,00 mm
Weight.....	100g typ.

SAFETY & EMC:

Safety.....	Class II, IEC/EN/UL62368-1
EMC Emission EN 55032: 2015/AC: 2016, EN 61000-3-2:2014, EN 61000-3-3:2013, FCC CFR Title 47 Part 15 Subpart B: 2016 Class B	
Conducted Disturbance.....	EN 55032:2015/AC:2016, EN 61000-6-3, EN 61204-3, FCC CFR Title 47 Part 15 Subpart B: 2016 Class B
Radiated Disturbance.....	EN 55032:2015/AC:2016, EN 61000-6-3, EN 61204-3, FCC CFR Title 47 Part 15 Subpart B: 2016 Class B
Harmonic Current Emissions.....	EN 61000-3-2
Voltage Fluctuations & Flicker.....	EN 61000-3-3
EMC Immunity.....	EN 61204-3: 2000, EN 55024:2010+A1:2015, EN 61000-6-1, 3, IEC 61000-4-2, 3, 4, 5, 6, 8, 11
Electrostatic Discharge (ESD).....	IEC 61000-4-2 Ed. 2.0: 2008, Air Discharge: ±8kV, Contact Discharge: ±4kV
Radio-Frequency, Continuous, Radiated Disturbance.....	IEC 61000-4-3
Electrical Fast Transient (EFT).....	IEC 61000-4-4
Surge.....	IEC 61000-4-5 Ed. 3.0: 2014, L-N: ±1kV
Conducted Disturbances, Induced by RF Fields.....	IEC 61000-4-6
Power Frequency Magnetic Field.....	IEC 61000-4-8
Voltage Dips.....	IEC 61000-4-11 Ed. 2.0: 2004, Dips: 30% Reduction, Dips: >95% Reduction
Voltage Interruptions.....	IEC 61000-4-11 Ed. 2.0: 2004, >95% reduction

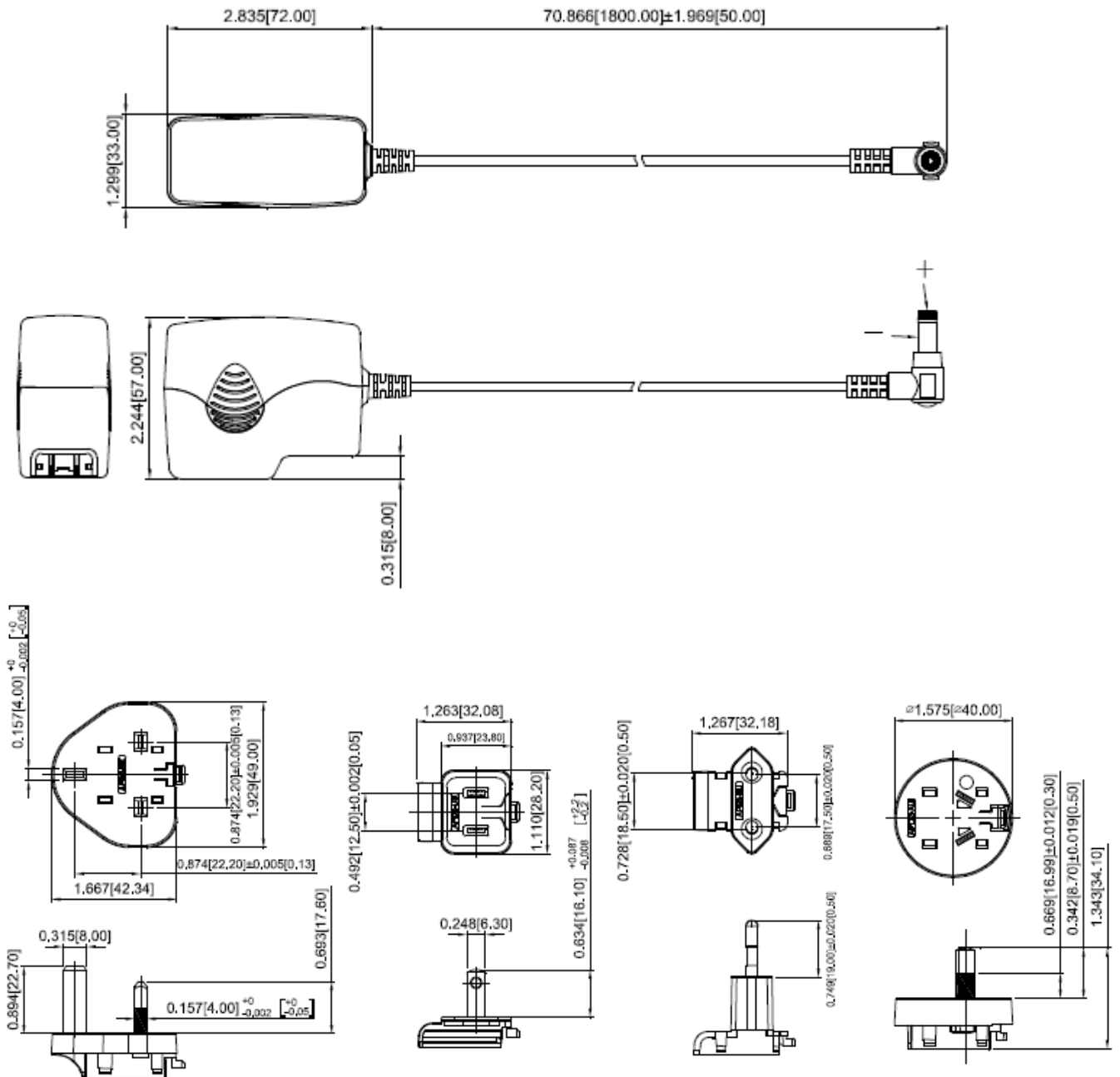
Derating Curve

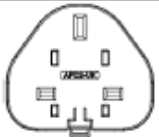





Mechanical Specification

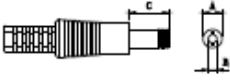
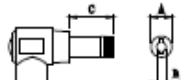
Series DVTRE15RD

All Dimensions in Inches (mm); Tolerance: Inches: x.xxx=±0.02, mm: x.xx=±0.5



TYPE				
	U.K type (U)	American type (A)	European type (E)	Australian type (S)

Technische Änderungen vorbehalten / Specifications are subject to change without notice

DC Plug Type	Cable Number -XXXXX	A	B	C	Cable Type	Cable Length	Cable AWG
		OD (mm)	ID (mm)	L (mm)			
 <p>Straight/Inner+Outer-</p> <p>+ — ● — -</p>	11G03	Φ5.5	Φ2.1	12	UL1571	1800mm without Core	20AWG for Vo: 5V 18AWG for Vo: 9V 24AWG for Vo: 12V, 15V, 24V
	12G03	Φ5.5	Φ2.5	12			
	23G03	Φ5.5	Φ2.1	9.5			
	26G03	Φ5.5	Φ2.5	9.5			
 <p>Right Angle/Inner+Outer-</p> <p>+ — ● — -</p>	01G03	Φ5.5	Φ2.1	12			
	02G03	Φ5.5	Φ2.5	12			
	21G03	Φ5.5	Φ2.5	9.5			
	24G03	Φ5.5	Φ2.1	9.5			

Other DC Plug Type on request