

TR100 Series

100 WATTS SINGLE OUTPUT AC/DC GENERAL

Features

- Wide input voltage 90VAC to 264VAC, 50/60Hz
- Continuous short circuit protection
- Output voltage available from 12VDC to 48VDC
- High efficiency 85% typical
- Meets EN55022 Class "B", conducted emissions
- MEPS compliance



Specifications

INPUT

Voltage range	90 to 264Vac
Frequency	47Hz to 63Hz
Inrush current	100A max @ 264Vac
Isolation	Input to Output 4242Vdc
Leakage current	1.5mA max.

OUTPUT

Output voltage	Factory preset, see table (not adjustable)
Voltage set-point	+/-2% (60% load)
Ripple and noise	1% p-p max
Short circuit protection	Continuous (Auto recovery)
Over voltage protection	Option
Hold-up time	20ms typ @ 115Vac
Load regulation	+/-2 to +/-4% (20 to 100% load)
Line regulation	+/-1% max at full load

ENVIRONMENTAL

Operating temperature	0°C to +40°C
Storage temperature	-20°C to +85°C

STANDARDS AND APPROVALS

Safety standards	NSW office of Fair Trading Certificate of approval NSW19568, EN60950, IEC60950, AS/NZS60950
C-tick	AS/NZS CISPR 11:2002 Group 1,
EMI standards	Class B; Meets EN55022 class "B", conducted
RCM	Complies with AS/NZS 4417 Parts 1,2,3

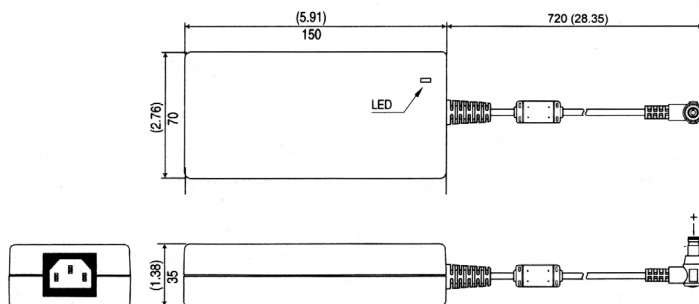
MECHANICAL

Dimensions	70x150x35mm
AC Inlet	IEC320/C14
Output connector	Right angle, hollow coaxial plug, 2.5mm inside diameter; 5.5mm, outside diameter; 9.5mm length center positive polarity.
DC cord length	720mm with ferrite core 18AWG/UL1185

Selection Table

MODEL NUMBER	RATED Vnom	OUTPUT CURRENT	MAX POWER
TR100A120-21A11	12Vdc	8.3A	100W
TR100A150-21A11	15Vdc	6.67A	100W
TR100A180-21A11	18Vdc	5.56A	100W
TR100A190-21A11	19Vdc	5.21A	99W
TR100A240-21A11	24Vdc	4.17A	100W
TR100A280-21A11	28Vdc	3.54A	99W
TR100A290-21A11	29Vdc	3.41A	99W
TR100A300-21A11	30Vdc	3.3A	99W
TR100A360-21A11	36Vdc	2.78A	100W
TR100A480-21A11	48Vdc	2.08A	99W

Technical Illustration



Note: MEPS compliance model number change to eg. TRG100A12-21A11. Available, OCT 2007.