## TR20 B Series

## Features

- Wide input voltage 90VAC to 264VAC, 50/60Hz
- Continuous short circuit protection
- Output voltage available from 3.3VDC to 24VDC
- High efficiency 75% typical
- Meets EN55022 Class "B", conducted emissions
- MEPS compliance



| Specifications           |   |  |
|--------------------------|---|--|
| INPUT                    |   |  |
| Voltage range            | 90 to 264Vac  |  |
| Frequency                | 47Hz to 63Hz  |  |
| Input current            | 0.6A max.   |  |
| Inrush current           | 50A max @ 264Vac  |  |
| Input power (No Load)    | 0.75W max. @ 240Vac   |  |
| OUTPUT                   |   |  |
| Output voltage           | Factory preset, see table (not adjustable)                          |  |
| Voltage set-point        | +/-2% to +/-3%  |  |
| Ripple and noise         | 1% to 16% p-p max   |  |
| Short circuit protection | Continuous (Auto recovery)  |  |
| Over current protection  | Yes   |  |
| Hold-up time             | 10ms typ @ 115Vac   |  |
| Load regulation          | +/-2% to +/-7%  |  |
| 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 Department of Fair Trading<br>Certificate of approval NSW19568, |  |

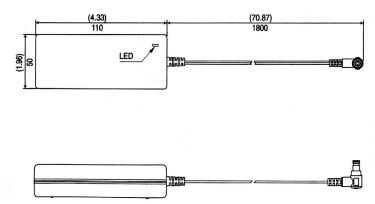
| C-tick           | AS/NZS CISPR 11:2002 Group 1,   |  |
|------------------|---|--|
| EMI standards    | Class B; Meets EN55022 class "B", conducted   |  |
| RCM              | Complies with AS/NZS 4417 Parts 1,2,3   |  |
| MECHANICAL       |   |  |
| Dimensions       | 50x110x30mm   |  |
| Weight           | 200g  |  |
| AC inlet         | IEC320/C14  |  |
| Output connector | Right angle, hollow coaxial plug, 2.5mm inside<br>diameter; 5.5mm outside diameter; 9.5mm length<br>center positive polarity. |  |
| DC Cord Length   | 720mm with ferrite core 18AWG/SPT1  |  |
|                  |   |  |

## **Selection Table**

| MODEL          | RATED  | OUTPUT  | MAX   |
|----------------|--------|---------|-------|
| NUMBER         | Vnom   | CURRENT | POWER |
| TR20B033-21A11 | 3.3Vdc | 4.5A    | 25W   |
| TR20B050-21A11 | 5Vdc   | 4A      | 25W   |
| TR20B090-21A11 | 9Vdc   | 2.3A    | 25W   |
| TR20B120-21A11 | 12Vdc  | 1.7A    | 25W   |
| TR20B150-21A11 | 15Vdc  | 1.4A    | 25W   |
| TR20B180-21A11 | 18Vdc  | 1.2A    | 25W   |
| TR20B240-21A11 | 24Vdc  | 0.85A   | 25W   |

Note: MEPS compliance model number change to eg. TRG20B12-21A11. Available, OCT 2007.

## **Technical Illustration**



EN60950, IEC60950, AS/NZS60950