

TR20 B Series

20 WATTS SINGLE OUTPUT AC/DC GENERAL

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 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 | 50x110x30mm |
| Weight | 200g |
| 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/SPT1 |

Selection Table

| MODEL NUMBER | RATED V _{nom} | OUTPUT CURRENT | MAX 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

