S E R I E S

TR20B

20W SWITCHING ADAPTER

Features

- Universal Input: 90 ~ 264Vac
- Continuous Short Circuit Protection
- Over Voltge Protection
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency, 75% Typical
- Green Power (Input power<0.75W at no load)
  Meet "European Commission of Energy"
  2003 year Phase 2

Specifications

INPUT CHARACTERISTICS:

Voltage .....90 ~ 264Vac
Frequency .....47 to 63Hz
Input Current .....0.6A max.
Inrush Current.....50A max. @ 264Vac
Input Power (No Load).....0.75W max. @ 240Vac

OUTPUT CHARACTERISTICS:

Holdup Time ..... 10mS typ. @ 115Vac
Short Circuit Protection ..... Continuous (Auto Recovery)
Over Voltage Protection .....Yes

ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature ..... 0 ~ 40°C
Storage Temperature ..... -20 ~ 85°C

MECHANICAL CHARACTERISTICS:

Dimensions .....4.33x 1.96 x 1.18 Inches
Weight .....0.44 Pounds

Typical at 25°C, nominal line and 75% load, unless otherwise Specified.
TR20BXXX=IEC320/C14, TR20BXXXA=IEC320/C6, TR20BXXXB=IEC320/C8

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
TR20B033	3.3 V	4500mA	0 A	50mVp-p	± 3%	± 1%	± 7%
TR20B050	5 V	4000mA	0 A	50mVp-p	± 2%	± 1%	± 6%
TR20B090	9 V	2300mA	0 A	90mVp-p	± 2%	± 1%	± 3%
TR20B120	12 V	1700mA	0 A	100mVp-p	± 2%	± 1%	± 2%
TR20B150	15 V	1400mA	0 A	100mVp-p	± 2%	± 1%	± 2%
TR20B180	18 V	1200mA	0 A	150mVp-p	± 2%	± 1%	± 2%
TR20B240	24 V	850mA	0 A	150mVp-p	± 2%	± 1%	± 2%

NOTE:
1. Voltage accuracy is set at 60% full load.
2. Add a 0.1μF ceramic capacitor and a 10μF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
3. Line regulation is measured from 100Vac to 240Vac with full load.
4. Load regulation is measured from 60% to 100% full load and from 60% to 20% full load (60% +/- 40% full load)
5. TR20Bxxx=IEC320/C14, TR20BxxxA=IEC320/C6, TR20BxxxB=IEC320/C8

Mechanical Specification

Unit: mm (in)