# **17Watts Dual Output External Adapter**

## Model No.: ADE-1712B

#### Feature:

- 90 to 264Vac universal input range.
- Designed to meet universal safety standards.
- EMI/RFI meet VDE & FCC limit B.
- Low cost & compact size.
- 17Watts in 105.5×57.5×33.5mm Size.

#### **Specifications:** typical at nominal line, full load at 25°C.

Input Specifications:	General Specifications:		
Input voltage: 90 to 264Vac	Efficiency: 70% typical at full load		
Input Frequency: 47 Hz to 63Hz	Hold-up time: 15ms @ 110Vac full load		
<b>Input inrush current:</b> 25A at 115Vac	<b>EMI/RFI:</b> VDE & FCC Class B limits		
50A at 230Vac Earth leakage: 0.2mA max @ 110VAC 0.4mA max @ 230VAC	Dielectric Withstand: - Input/output: 4500VDC Input/Ground: 2500VDC		
Output Specifications: Output Rating: +5V/1A, +12V/1A Line Regulation: ±2% max	Safety Approval: UL UL1950 CSA 22.2-234/950 TUV EN60950 CE		
Load Regulation: +5V: ±5% max. +12V: ±10% max.	Switching frequency: 20kHz		
<b>Transient Response:</b> $\pm 1\%$ max.dev.(Full to half load)500uSec recovery	Weight: 250g MTBF: 100,000hours(MIL-HDBK-217F)		
<b>Temperature Coefficient:</b> <u>+</u> 0.04% / °C	Environmental Specifications:		
<b>Ripple &amp; Noise:</b> +5V: 80mVp-p +12V: 120mVp-p	<b>Operating temperature:</b> 0 to +40°C		
<b>Turn ON overshoot:</b> 10% max.	<b>Storage temperature:</b> -40 to +85°C		
<b>Protections:</b> a. Over current protection b. Over voltage protection c. Over power protection d. Short circuit protection	Humidity: 5 to 95 % RH non-condensing Vibration: 2.4G , 5 to 500Hz Cooling: Free air convection		
a. Short circuit protection	<b>County</b> The un convection		

Note:

1. Other output voltage versions available. Consult factory for details.

2. Vibration test: Three orthogonal axes, random vibration, 10 minutes for each axis.

3. Maximum output power is 17W.

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Vo		Io		Total	Ripple/Noise
	Min.	Max.	Peak	Regulation	Vp-p
+5V	200mA	1.2A	2.0A	<u>+</u> 5%	80mV
+12V	0mA	1.0A	1.6A	<u>+</u> 10%	120mV

- Peak load cannot exceed 28Watts for more than 500ms.
- +5V output set to +5.00Vdc at 0.8A.
- The ripple/noise is measured at output terminal across a 0.1uF ceramic Cap in parallel with a 10uF Tantalum Cap. The oscilloscope set at 20MHz bandwith with input 115Vac, Full load.

### Dimensions: mm±0.5mm

