17Watts Dual Output External Adapter

Model No.: ADE-1712

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
Input inrush current: 25A at 115Vac 50A at 230Vac	**EMI/RFI:** VDE & FCC Class B limits
	Dielectric Withstand: Input/output: 4500VDC Input/Ground: 2500VDC
Earth leakage: 0.2mA max @ 110VAC 0.4mA max @ 230VAC	
Output Specifications:	**Safety Approval:** UL UL1950 CSA 22.2-234/950 TUV EN60950 CE
Output Rating: +5V/1A, +12V/1A	
Line Regulation: ±2% max	
Load Regulation: +5V: ±5% max. +12V: ±10% max.	**Switching frequency:** 20kHz
Transient Response: ±1% max.dev. (Full to half load) 500uSec recovery	**Weight:** 250g
	MTBF: 100,000hours(MIL-HDBK-217F)
Temperature Coefficient: ±0.04% / °C	**Environmental Specifications:**
Ripple & Noise: +5V: 80mVp-p +12V: 120mVp-p	**Operating temperature:** 0 to +40°C
Turn ON overshoot: 10% max.	**Storage temperature:** -40 to +85°C
Protections: 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

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 Regulation	Ripple / Noise Vp-p
	Min.	Max.	Peak		
+5V	200mA	1.2A	2.0A	±5%	80mV
+12V	0mA	1.0A	1.6A	±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