



CLD-9012-T2-E25

12V / 7.5A Desktop type AC/DC adaptor



■ Features:

- Universal AC input / Full range
- Desktop type, Isolation class II design
- ErP step II / CEC level VI compliance
- No load power consumption $P < 0.075W$
- Protections: Overload / Short circuit / Over Temperature

ELECTRICAL SPECIFICATION



| | |
|---------------------------|-------------------------------|
| MODEL | CLD-9012-T2-E25 |
| OUTPUT | |
| Rated Voltage | 12V |
| Rated Current | 7A |
| Current Range | 0 ÷ 7A |
| Rated Power | 90W |
| Line Regulation | ± 2% |
| Load Regulation | ± 5% |
| Tolerance [3] | ± 5% |
| Ripple & Noise (max.) [2] | 600mV _{p-p} |
| Setup, Rise Time [4] | 2s, 9ms / 230VAC at full load |
| Hold up Time (typ.) | 50ms / 230VAC at full load |

| | |
|----------------------------------|------------------------------|
| INPUT | |
| Voltage Range | 90 ÷ 264VAC |
| Frequency Range | 47 ÷ 63Hz |
| Efficiency (typ.) | 84,09% |
| AC Current (typ.) | 1.5A / 115VAC, 0.5A / 230VAC |
| No load Power Consumption (max.) | 0.075W |

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|---------------|--|
| PROTECTIONS | |
| Overload | Range: 120 ÷ 150% Type: hiccup mode, auto-recovery. |
| Short Circuit | Type: hiccup mode, auto-recovery. |
| Over voltage | Range: 18 ÷ 25V, auto-recovery. Type: shut down output voltage. Re-power on to recovery |



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WORKING ENVIRONMENT

| | |
|---|---|
| Working Temperature | 0°C ÷ 40°C |
| Working Humidity | 5 ÷ 95% RH non-condensing |
| Storage Temperature and Humidity | -20°C ÷ 85°C, 5 ÷ 95% RH non-condensing |

SAFETY and EMC REGULATIONS

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|-----------------------------|--|
| Safety Standards | Compliance to EN 60950-1 |
| Withstand Voltage | I-P/O-P: 5.3kVAC |
| Isolation Resistance | IN/OUT: 100MΩ/500VDC/25°C/70% |
| EMC Emission | Compliance to EN55032 |
| EMC Immunity | Compliance to EN61000-4-2, -3, -4, -5 |
| Harmonic Current | Compliance to EN61000-3-3; EN61000-3-2 |

OTHERS

| | | |
|----------------------|-----------------------------------|--------------------------------|
| Wire and plug | Wire: 20AWG, length = 100cm ±50mm | Plug: 2.5/5.5, positive inside |
| Dimensions | 170 x 65 x 40mm (L x W x H) | |
| Net Weight | 393g | |

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

