

DT75XX

HV Carrier Board for A750x PCB Modules



Features



- Desktop Module
- SHV HV Output Connector
- Rotary handles for voltage and current setting
- 4mm sockets for voltage and current read out

Description

The **DT75xx** is a Desktop module, housing an Evaluation Board for **A750x** channels. It allows to use the A750x PCB mount channels as desktop power supplies, for test and evaluation purposes. The A750x is a line of compact, high efficiency, low noise single channel High Voltage DC/DC converters in a PCB mount form factor. Each device can supply a High Voltage output according to an external reference voltage level (Vset) provided by the user. Thanks to their excellent stability and special design, A750x Power Supplies are engineered to work in harsh environment and under severe temperature variations. The DT75xx unit is a Desktop module housed in a 154 x 50 x 164 mm³ (WxHxD) alloy box. The kit includes:

- DT75xx Desktop module.
- External AC/DC power supply with separate power cord.

Technical Specifications

Packaging

Desktop module; 154 x 50 x 164 mm³ (WxHxD) alloy box; weight 0.6 kg

Humidity range

0 ÷ 80%

Operating temperature

0 ÷ 45°C

Storage temperature

-10 ÷ 70°C

External power supply

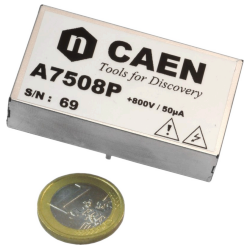
Switchbox FRA045-S12-4 (12 VDC, 3.75 A, 45 W); Universal Input C14 receptacle; INPUT Voltage range 100-240VAC 1.2A 50-60Hz. Inrush current 40A at 115VAC / 80A at 230VAC max. Dielectric withstand Input/output 3,000 VDC. OUTPUT Output voltage +12V. Ripple and noise 2% p-p max. Load regulation ±5% max. No load stand by power $\lt; 0.5W$ @ 230VAC. Efficiency >math>\geq 85\%</math> for CEC requirement. Hold up time 10ms at nominal line. Protections OCP, OVP, over power & short circuit. GENERAL Std output connector Dc barrel jack. Std output cable/length UL1185, #18AWG / 5 ft. ENVIRONMENTAL Operating temperature 0°C to +40°C. Storage temperature -20°C to +85°C. STANDARDS Safety standards IEC/UL/EN60950-1, CE, CB. EMC EN55022 (CISPR 22) class B, FCC class B.

Ordering Options

Code	Description
WDT75XEVA00	DT75xx - Evaluation Board A750x channels RoHS

Related Products

A7508



1 Ch 800 V/50 μ A High Efficiency HV Power Supply Module (5V in)

A7505



1 Ch 1600 V/500 μ A High Efficiency HV Power Supply Module

A7501



1 Ch 2100 V/100 μ A High Efficiency HV Power Supply Module

A7511



1 Ch 1100 V/1000 μ A High Efficiency HV Power Supply Module

A7502



1 Ch 2100 V/100 μ A High Efficiency HV Power Supply Module (5V in)

Gallery



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