Analog Technologies

ATCDB12



Figure 1. Physical Photo of the ATCDB12

MAIN FEATURES

- S Wide Adjustable Range: 1pF to 100µF
- High Adjustment Resolution: 1pF
- ➡ High Accuracy: ±5%
- Compact Size
- Durable Metal Enclosure
- 100 % Lead (Pb)-free and RoHS Compliant

APPLICATIONS

- Tuning Networks
- Doing Experiments

DESCRIPTIONS

ATCDB12 is an accurate knob dial type capacitor decade box. Because of the main features listed above, it is a very useful tool for tuning analog electronic circuits where changing a capacitance is necessary.

SPECIFICATIONS

 Adjustment Range for Each Dial: 1pF to 9pF; 10pF to 90pF; 100pF to 900pF; 1nF to 9nF; 10nF to 90nF; 100nF to 900nF;

 1μ F to 9μ F; 10μ F to 90μ F

- **•** Tolerance: $\pm 5\%$ (15°C to 35°C)
- **Calculation** Residual Capacitance: $\approx 47 \text{pF}$
- **Resolution:** 1pF
- Maximum Voltage:

Capacitance	Max. Voltage (V _{MAX})
1pF~399.999nF	50
400nF~999.999nF	25
1µF~9.999999µF	16
10µF ~99.999999µF	6.3

- Dimensions: 76×168×43 (mm)
- S Weight: 300g
- Operating Temperature: -40°C to 60°C

1



ATCDB12



Figure 2. Front View of the ATCDB12

NOTICE

- 1. ATI warrants performance of its products for one year to the specifications applicable at the time of sale, except for those damaged by excessive abuse. Products found not meeting the specifications within one year from the date of sale can be exchanged free of charge.
- 2. ATI reserves the right to make changes to its products or to discontinue any product or service without notice, and advise customers to obtain the latest version of relevant information to verify, before placing orders, that information being relied on is current and complete.
- 3. All products are sold subject to the terms and conditions of sale supplied at the time of order acknowledgment, including those pertaining to warranty, patent infringement, and limitation of liability. Testing and other quality control techniques are utilized to the extent ATI deems necessary to support this warranty. Specific testing of all parameters of each device is not necessarily performed, except those mandated by government requirements.
- 4. Customers are responsible for their applications using ATI components. In order to minimize risks associated with the customers' applications, adequate design and operating safeguards must be provided by the customers to minimize inherent or procedural hazards. ATI assumes no liability for applications assistance or customer product design.
- 5. ATI does not warrant or represent that any license, either expressed or implied, is granted under any patent right, copyright, mask work right, or other intellectual property rights of ATI covering or relating to any combination, machine, or process in which such products or services might be or are used. ATI's publication of information regarding any third party's products or services does not constitute ATI's approval, warranty or endorsement thereof.
- 6. IP (Intellectual Property) Ownership: ATI retains the ownership of full rights for special technologies and/or techniques embedded in its products, the designs for mechanics, optics, plus all modifications, improvements, and inventions made by ATI for its products and/or projects.