



Figure1.Physical Photo of ATRDB12

MAIN FEATURES

- Wide adjustable range: 8 decades ⇒ 0.36Ω to 10MΩ
- High resolution: 0.1Ω
- High accuracy: ±1%
- Very comfortable to use and easy to read the total value
- Long life time rotary switches and compact size
- Durable metal enclosure
- 100 % lead (Pb)-free and RoHS compliant

APPLICATIONS

- Tuning analog circuits
- Doing experiments

DESCRIPTIONS

ATRDB12 is an accurate knob dial type resistor decade box. Because of the main features listed above, it is a very useful tool for tuning analog electronic circuits where varying a resistance is needed.

SPECIFICATIONS

- Adjustment range for each dial:  
0.1Ω to 0.9 Ω; 1Ω to 9 Ω;  
10 Ω to 90 Ω; 100 Ω to 900 Ω;  
1KΩ to 9KΩ; 10KΩ to 90KΩ;  
100KΩ to 900KΩ; 1MΩ to 9MΩ.
- Tolerance: ±1% (-40°C to 85°C)
- Resolution: 0.1 Ω
- Residual resistance: 0.36±0.01Ω
- Maximum power: 0.2W
- Base dimensions: 6.6"×3"×0.9" [168×76×23 (mm)]
- Total height: 1.7" [43(mm)]
- Weight: 0.46 lb (210g)
- Operating Temperature: -40°C to +55°C

ORDERING INFORMATION

Quantity (pcs)	1-9	10-49	50-199	200-499	≥500
ATRDB12	\$59	\$56	\$53	\$50	\$47



Figure 2. Top View of the ATRDB12



Figure 3. Bottom View of the ATRDB12



**Figure 4. Front View of the ATRDB12**



**Figure 5. Side View of the ATRDB12**



**NOTICE**

1. ATI warrants performance of its products for one year to the specifications applicable at the time of sale, except for those being 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 express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right 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.