

Figure 1. Physical Photo of ATVRC101

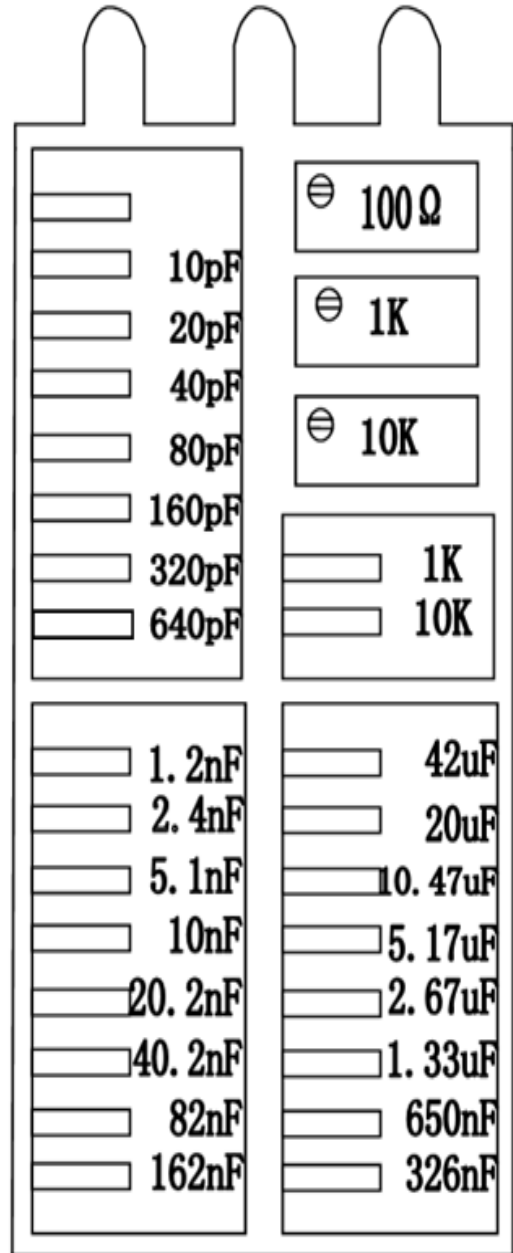


Figure 2. Numerical Distribution of the ATVRC101



#### FEATURES

- Wide adjustable resistance range: 0.1Ω to 10kΩ
- Wide adjustable capacitance range: 10pF to 100uF
- High resistance resolution: 0.1Ω
- High capacitance resolution: 10pF
- High accuracy: ±1%
- Very comfortable to use and easy to read the total value
- Long life time rotary switches
- Compact size
- Durable metal enclosure
- 100 % lead (Pb)-free and RoHS compliant

#### APPLICATIONS

Tuning analog circuits and doing experiments. It's highly recommended for high frequency compensation network tuning, greater than 1MHz, and up to 10MHz.

#### DESCRIPTION

This ATVRC101 is an accurate press-button switch resistor and capacitor box. The features listed above make it a very useful tool for tuning analog circuits where changing capacitance and resistance is needed. In electronic circuit experiments, ATVRC101 can be used to provide accurate resistance and capacitance values, reducing the time to replace resistors or capacitors, thus greatly improving the efficiency of tuning circuits. Its small size not only saves lab space, but also can be easily transported to another site. The anti-interference ability of this ATVRC101 is also better than other resistor and capacitor boxes in the market.

#### SPECIFICATIONS

Table 1. Characteristic (T<sub>Ambient</sub>=25°C)

Parameter	Conditions	Value	Unit/Note
Base dimensions		52×23×8.9	mm
Total height		8.9	mm
Operating Temperature		-40 ~ 55	°C
<b>Resistance</b>			
Adjustment range for each dial		0.1Ω ~ 100 Ω; 0.1Ω ~ 1kΩ; 0.1 Ω ~ 10kΩ;	
Tolerance	-40°C to 85°C	±1%	
Resolution		0.1	Ω
Residual resistance		0.1±0.01	Ω
<b>Capacitance</b>			
Adjustment range for each dial		10pF to 640pF; 1.2nF to 162nF; 326nF to 20μF	
Tolerance	15°C to 35°C	±5%	
Residual Capacitance		≈10	pF
Resolution		10	pF

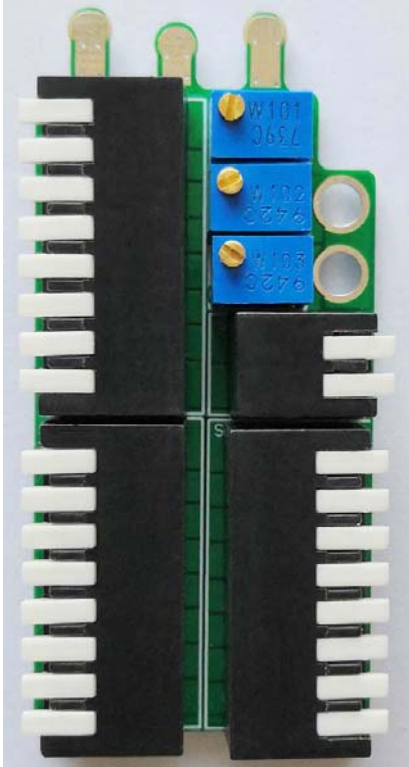


Figure 3. Top View of the ATVRC101

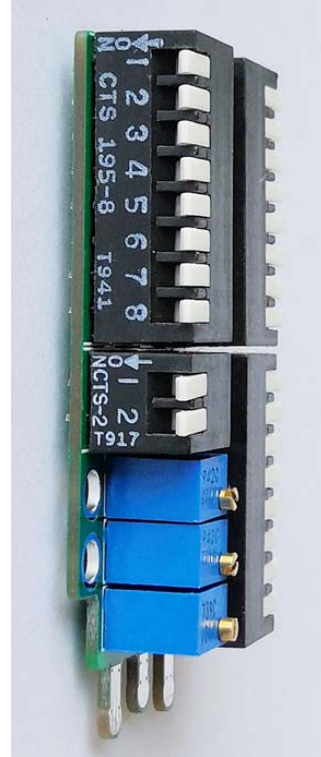


Figure 4. Side View of the ATVRC101

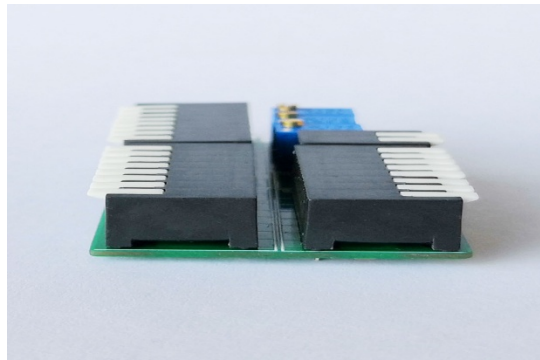


Figure 5. Front View of the ATVRC101



ORDERING INFORMATION

Table 2. Unit Price

Quantity	1 – 9	10 – 49	50 – 199	200-499	≥500
ATVRC101	\$36.0	\$34.0	\$32.0	\$30.0	\$28.0

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