

AZ-Delivery

Welcome!

Thank you very much for purchasing our AZ-Delivery 1000 ceramic capacitors set. On the following pages, we will introduce you to how to use and setup this handy device.

Have fun!



Areas of application

The products are intended for the support and assembly of electronic components and circuits.

Required knowledge and skills

The use of these products requires basic knowledge of electrical engineering and the handling of electronic components. Users should be able to install the products correctly and take the necessary safety precautions.

Environmental conditions

The products should be used in an environment free from moisture, dust and direct sunlight. They should not be operated near heat sources or in chemically aggressive environments to avoid damage and safety risks.

Intended Use

Electronic products should be operated in environments that meet the specified temperature and voltage ranges of each product. These components are typically designed for indoor use.

Improper foreseeable use

Improper but foreseeable uses include use in humid or extremely hot environments or operation by untrained or disabled persons. The product must be kept away from children and pets.

disposal

Do not discard with household waste! Your product is according to the European one Directive on waste electrical and electronic equipment to be disposed of in an environmentally friendly manner. The valuable raw materials contained therein can be recycled become. The application of this directive contributes to environmental and health protection. Use the collection point set up by your municipality to return and Recycling of old electrical and electronic devices. WEEE Reg. No.: DE 62624346

safety instructions

Attention: Improper disposal of electronic components can endanger the environment and health. Note: Dispose of electronic components in accordance with local regulations and use appropriate recycling options. Attention: Chemically aggressive media can damage the materials of the products. Note: Do not use the products in corrosive or chemically aggressive environments. Attention: Improper disposal of electronic components can endanger the environment and health. Note: Dispose of electronic components in accordance with local regulations and use appropriate recycling options. Attention: Chemically aggressive media can damage the materials of the products. Note: Do not use the products in corrosive or chemically aggressive environments. Caution: Mechanical shock or bending can damage the products and connected components. Note: Avoid mechanical stress and protect the products from physical influences. Attention: Inadequate fastening can lead to malfunctions and damage. Note: Make sure all products are securely and firmly assembled. Caution: Damaged products may pose safety risks. Note: Check products regularly for visible damage and replace defective parts immediately. Attention: Overloading can lead to overheating and failure of the products. Note: Use the products only within the specified load limits. Attention: Overheating can cause damage to the products and the connected electronic components. Note: Make sure that, for example, heat sinks or components that heat up are adequately ventilated and that the specified temperature ranges are not exceeded.

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In this set we ship 50 different values of capacitors, 20 pieces per value .

Here is the values in set: (In parentheses is a designation of capacitor)

1pf	(1)	2pf	(2)
3pf	(3)	4pf	(4)
5pf	(5)	6pf	(6)
7pf	(7)	8pf	(8)
9pf	(9)	10pf	(10)
15pf	(15)	18pf	(18)
20pf	(20)	22pf	(22)
27pf	(27)	30pf	(30)
33pf	(33)	40pf	(40)
47pf	(47)	50pf	(50)
56pf	(56)	68pf	(68)
82pf	(82)	100pf	(101)
120pf	(121)	140pf	(141)
150pf	(151)	180pf	(181)
220pf	(221)	300pf	(301)
330pf	(331)	470pf	(471)
560pf	(561)	680pf	(681)
820pf	(821)	1nF	(102)
1.5nf	(152)	2nf	(202)
2.2nf	(222)	3.3nf	(332)
4.7nf	(472)	6.8nf	(682)
10nf	(103)	15nf	(153)
20nf	(203)	22nf	(223)
33nf	(333)	47nf	(473)
68nf	(683)	100nf	(104)

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A capacitor is passive electronic component that store energy in electrical field. Ceramic capacitors have two ends, and you don't need to be worry about polarity, because for ceramic capacitors there is no + or - ends. (for electrolytic capacitors is different story).

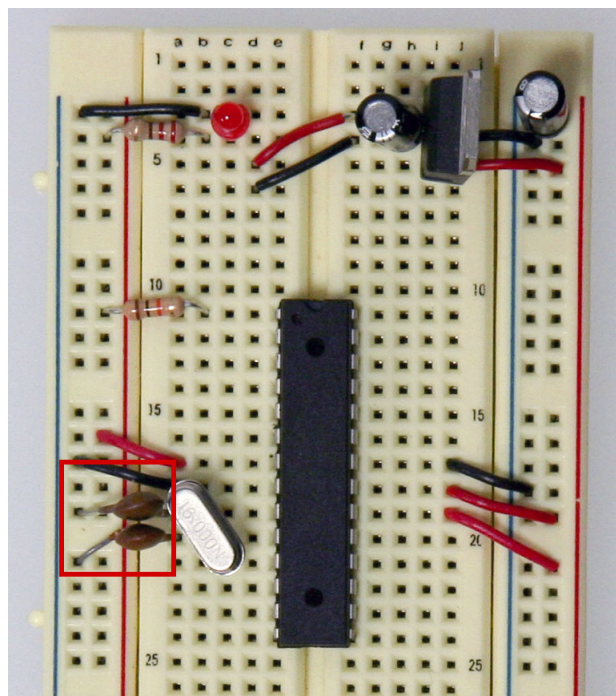
So in any circuit where you need capacitor, you just connect it. You don't need to worry which end goes we, it does not matter. **Just make sure not to create short circuit.**



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Application example

If you choose to make microcontroller on the breadboard, you'll need two 22pF ceramic capacitors, which are part of resonance circuit for quartz oscillator 16MHz, like on image below in red rectangle (image is taken from official site, <https://www.arduino.cc/en/main/standalone>)



You've done it, you can now use capacitors for your projects.

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Now it is time to learn and make the Projects on your own. You can do that with the help of many example scripts and other tutorials, which you can find on the internet.

If you are looking for the high quality microelectronics and accessories, AZ-Delivery Vertriebs GmbH is the right company to get them from. You will be provided with numerous application examples, full installation guides, eBooks, libraries and assistance from our technical experts.

<https://az-delivery.de>

Have Fun!

Impressum

<https://az-delivery.de/pages/about-us>