

CAPK100

NOTICE

The capacitors included in this kit are packaged in individual plastic bags with their values marked on the capacitors. To make it easier to locate the capacitors and their value, we have included labels for each bag. We have also included instructional information to help you identify each capacitor. Be aware that sometimes there may be small variations in the codes.

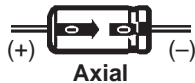
ELECTROLYTIC CAPACITORS

Electrolytic capacitors are identified by their capacitance value in μF (microfarads). Most capacitors have their actual value and maximum operating voltage printed on the them.

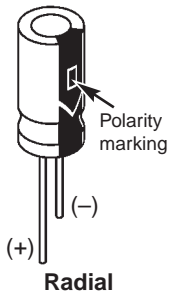
Electrolytic capacitors have a positive and a negative electrode. The negative lead is indicated on the capacitor by a stripe with minus signs and possibly arrowheads. Also, the negative lead of a radial electrolytic is shorter than the positive one.

Warning:

If the capacitor is connected with incorrect polarity, it may heat up and either leak, or cause the capacitor to explode.



Axial



Radial

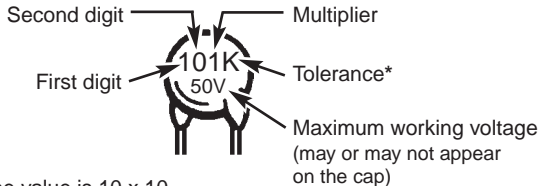
(over)

IDENTIFYING CERAMIC DISC & MYLAR CAPACITORS

Ceramic and mylar capacitors use similar codes in identifying capacitor values. Working voltage may or may not be shown. The maximum working voltages for the capacitors in this kit are 50V for ceramic disc and 100V for mylar.

Multiplier	For the No.	0	1	2	3	4	5	8	9
	Multiply By	1	10	100	1k	10k	100k	.01	0.1

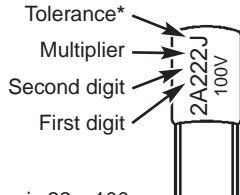
CERAMIC DISC



The value is $10 \times 10 = 100\text{pF}$, $\pm 10\%$, 50V

- * The letter M indicates a tolerance of $\pm 20\%$
- The letter K indicates a tolerance of $\pm 10\%$
- The letter J indicates a tolerance of $\pm 5\%$

MYLAR



The value is $22 \times 100 = 2,200\text{pF}$ or $.0022\mu\text{F}$, $\pm 5\%$, 100V

Note: The letter "R" may be used at times to signify a decimal point; as in 3R3 = 3.3