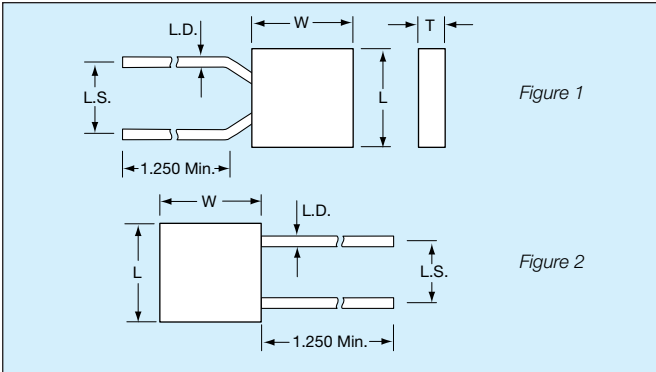




## HOW TO ORDER

### Military Type Designation: Styles CK05, CK06

For values, tolerances, voltages, sizes, configurations and dielectrics not shown, contact AVX facilities directly for information.

#### CK05

##### Style

CK = General purpose, ceramic dielectric, fixed capacitors  
05 = Remaining two numbers identify shape and dimension

#### BX

##### Voltage-Temperature Limits

First letter identifies temperature range.  
B = -55°C to +125°C  
Second letter identifies voltage-temperature coefficient.

| Capacitance Change with Reference to 25°C |            |               |
|-------------------------------------------|------------|---------------|
| Second Letter                             | No Voltage | Rated Voltage |
| X                                         | +15, -15%  | +15, -25%     |

#### 104

##### Capacitance

First two digits are the significant figures of capacitance. Third digit indicates the additional number of zeros. For example, order 100,000 pF as 104.

#### K

##### Capacitance Tolerance

K =  $\pm 10\%$   
M =  $\pm 20\%$

Not RoHS Compliant

## PACKAGING

CK05 1000 per bag  
CK06 1000 per bag

Radial tape and reel packaging available upon request (2500 pcs./reel).

## SIZE SPECIFICATIONS

Dimensions: Millimeters (Inches)

| Case Size            | Per MIL Spec                        |                                     |
|----------------------|-------------------------------------|-------------------------------------|
| MIL-C-11015          | CK05 (Fig. 1)                       | CK06 (Fig. 2)                       |
| Length (L)           | 4.83 $\pm$ .25<br>(.190 $\pm$ .010) | 7.37 $\pm$ .25<br>(.290 $\pm$ .010) |
| Width (W)            | 4.83 $\pm$ .25<br>(.190 $\pm$ .010) | 7.37 $\pm$ .25<br>(.290 $\pm$ .010) |
| Thickness (T)        | 2.29 $\pm$ .25<br>(.090 $\pm$ .010) | 2.29 $\pm$ .25<br>(.090 $\pm$ .010) |
| Lead Spacing (L.S.)  | 5.08 $\pm$ .38<br>(.200 $\pm$ .015) | 5.08 $\pm$ .38<br>(.200 $\pm$ .015) |
| Lead Diameter (L.D.) | .64 $\pm$ .05<br>(.025 $\pm$ .002)  | .64 $\pm$ .05<br>(.025 $\pm$ .002)  |

## MILITARY PART NUMBER IDENTIFICATION CK05 AND CK06

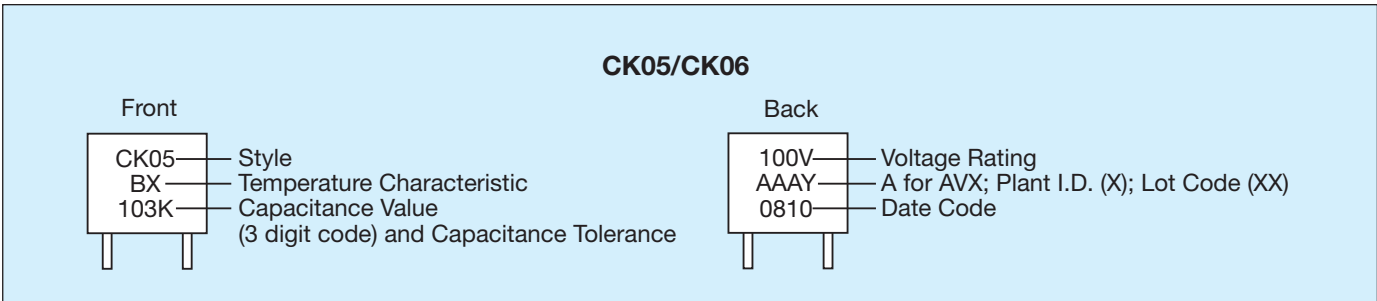
| Military Type Designation | Capacitance (pF) | Capacitance Tolerance | WVDC |
|---------------------------|------------------|-----------------------|------|
| CK05 (BX)                 |                  |                       |      |
| CK05BX100_                | 10               | K, M                  | 200  |
| CK05BX120K_               | 12               | K                     | 200  |
| CK05BX150_                | 15               | K, M                  | 200  |
| CK05BX180K_               | 18               | K                     | 200  |
| CK05BX220_                | 22               | K, M                  | 200  |
| CK05BX270K_               | 27               | K                     | 200  |
| CK05BX330_                | 33               | K, M                  | 200  |
| CK05BX390K_               | 39               | K                     | 200  |
| CK05BX470_                | 47               | K, M                  | 200  |
| CK05BX560K_               | 56               | K                     | 200  |
| CK05BX680_                | 68               | K, M                  | 200  |
| CK05BX820K_               | 82               | K                     | 200  |
| CK05BX101_                | 100              | K, M                  | 200  |
| CK05BX121K_               | 120              | K                     | 200  |
| CK05BX151_                | 150              | K, M                  | 200  |
| CK05BX181K_               | 180              | K                     | 200  |
| CK05BX221_                | 220              | K, M                  | 200  |
| CK05BX271K_               | 270              | K                     | 200  |
| CK05BX331_                | 330              | K, M                  | 200  |
| CK05BX391K_               | 390              | K                     | 200  |
| CK05BX471_                | 470              | K, M                  | 200  |
| CK05BX561K_               | 560              | K                     | 200  |
| CK05BX681_                | 680              | K, M                  | 200  |
| CK05BX821K_               | 820              | K                     | 200  |
| CK05BX102_                | 1,000            | K, M                  | 200  |
| CK05BX122_                | 1,200            | K                     | 100  |
| CK05BX152_                | 1,500            | K, M                  | 100  |
| CK05BX182K_               | 1,800            | K                     | 100  |
| CK05BX222_                | 2,200            | K, M                  | 100  |
| CK05BX272K_               | 2,700            | K                     | 100  |
| CK05BX332_                | 3,300            | K, M                  | 100  |
| CK05BX392K_               | 3,900            | K                     | 100  |
| CK05BX472_                | 4,700            | K, M                  | 100  |
| CK05BX562K_               | 5,600            | K                     | 100  |
| CK05BX682_                | 6,800            | K, M                  | 100  |
| CK05BX822K_               | 8,200            | K                     | 100  |
| CK05BX103_                | 10,000           | K, M                  | 100  |
| CK05BX123K_               | 12,000           | K                     | 50   |
| CK05BX153_                | 15,000           | K, M                  | 50   |
| CK05BX183K_               | 18,000           | K                     | 50   |
| CK05BX223_                | 22,000           | K, M                  | 50   |
| CK05BX273K_               | 27,000           | K                     | 50   |
| CK05BX333_                | 33,000           | K, M                  | 50   |
| CK05BX393K_               | 39,000           | K                     | 50   |
| CK05BX473_                | 47,000           | K, M                  | 50   |
| CK05BX563K_               | 56,000           | K                     | 50   |
| CK05BX683_                | 68,000           | K, M                  | 50   |
| CK05BX823K_               | 82,000           | K                     | 50   |
| CK05BX104_                | 100,000          | K, M                  | 50   |

— Add Capacitance Tolerance Letter K =  $\pm 10\%$  or M =  $\pm 20\%$

| Military Type Designation | Capacitance (pF) | Capacitance Tolerance | WVDC |
|---------------------------|------------------|-----------------------|------|
| CK06 (BX)                 |                  |                       |      |
| CK06BX122K_               | 1,200            | K                     | 200  |
| CK06BX152_                | 1,500            | K, M                  | 200  |
| CK06BX182K_               | 1,800            | K                     | 200  |
| CK06BX222_                | 2,200            | K, M                  | 200  |
| CK06BX272K_               | 2,700            | K                     | 200  |
| CK06BX332_                | 3,300            | K, M                  | 200  |
| CK06BX392K_               | 3,900            | K                     | 200  |
| CK06BX472_                | 4,700            | K, M                  | 200  |
| CK06BX562K_               | 5,600            | K                     | 200  |
| CK06BX682_                | 6,800            | K, M                  | 200  |
| CK06BX822K_               | 8,200            | K                     | 200  |
| CK06BX103_                | 10,000           | K, M                  | 200  |
| CK06BX123K_               | 12,000           | K                     | 100  |
| CK06BX153_                | 15,000           | K, M                  | 100  |
| CK06BX183K_               | 18,000           | K                     | 100  |
| CK06BX223_                | 22,000           | K, M                  | 100  |
| CK06BX273K_               | 27,000           | K                     | 100  |
| CK06BX333_                | 33,000           | K, M                  | 100  |
| CK06BX393K_               | 39,000           | K                     | 100  |
| CK06BX473_                | 47,000           | K, M                  | 100  |
| CK06BX563K_               | 56,000           | K                     | 100  |
| CK06BX683_                | 68,000           | K, M                  | 100  |
| CK06BX823K_               | 82,000           | K                     | 100  |
| CK06BX104_                | 100,000          | K, M                  | 100  |
| CK06BX124K_               | 120,000          | K                     | 50   |
| CK06BX154_                | 150,000          | K, M                  | 50   |
| CK06BX184K_               | 180,000          | K                     | 50   |
| CK06BX224_                | 220,000          | K, M                  | 50   |
| CK06BX274K_               | 270,000          | K                     | 50   |
| CK06BX334_                | 330,000          | K, M                  | 50   |
| CK06BX394K_               | 390,000          | K                     | 50   |
| CK06BX474_                | 470,000          | K, M                  | 50   |
| CK06BX564K_               | 560,000          | K                     | 50   |
| CK06BX684_                | 680,000          | K, M                  | 50   |
| CK06BX824K_               | 820,000          | K                     | 50   |
| CK06BX105_                | 1.0 mfd          | K, M                  | 50   |

— Add Capacitance Tolerance Letter K =  $\pm 10\%$  or M =  $\pm 20\%$

## MARKING



# Mouser Electronics

Authorized Distributor

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[CK05BX272K](#) [CK05BX151K](#) [CK05BX471K](#) [CK06BX274K](#) [CK05BX273K](#) [CK05BX270K](#) [CK06BX474KTR1](#)  
[CK05BX682K](#) [CK05BX680K](#) [CK05BX681K](#) [CK06BX684K](#) [CK06BX683K](#) [CK05BX683K](#) [CK06BX224KTR1](#)  
[CK05BX390K](#) [CK05BX392K](#) [CK05BX222KTR1](#) [CK05BX820K](#) [CK05BX822K](#) [CK05BX821K](#) [CK05BX391K](#)  
[CK05BX471KTR1](#) [CK05BX473K](#) [CK06BX473K](#) [CK05BX470K](#) [CK06BX472K](#) [CK06BX474K](#) [CK05BX472K](#)  
[CK06BX334K](#) [CK05BX330K](#) [CK06BX105KTR1](#) [CK05BX103KTR1](#) [CK05BX271K](#) [CK06BX103K](#) [CK05BX102K](#)  
[CK06BX105K](#) [CK05BX103K](#) [CK06BX223K](#) [CK05BX223K](#) [CK05BX100K](#) [CK05BX101K](#) [CK05BX104K](#)  
[CK06BX104K](#) [CK05BX180K](#) [CK05BX561K](#) [CK05BX563K](#) [CK06BX104KTR1](#) [CK05BX120K](#) [CK05BX123K](#)  
[CK05BX183K](#) [CK05BX181K](#) [CK05BX182K](#) [CK05BX152K](#) [CK06BX154K](#) [CK05BX153K](#) [CK05BX150K](#)  
[CK06BX103KTR1](#) [CK05BX472KTR1](#) [CK06BX684KTR1](#) [CK05BX121K](#) [CK05BX221K](#) [CK05BX220K](#) [CK05BX222K](#)  
[CK06BX222K](#) [CK06BX224K](#) [CK05BX560K](#) [CK05BX104KTR1](#) [CK05BX562K](#) [CK05BX333K](#) [CK05BX332K](#)  
[CK05BX331K](#) [CK05BX220KPDIP](#) [CK05BX220KTR1B](#) [CK05BX220M](#) [CK05BX221KAP1](#) [CK05BX221KTR2](#)  
[CK05BX221M](#) [CK05BX221MAP1](#) [CK05BX222KAP1](#) [CK05BX222KTR2](#) [CK05BX222M](#) [CK05BX223KAP1](#)  
[CK05BX223KPDIP](#) [CK05BX223M](#) [CK05BX223MTR1](#) [CK05BX270KAP1](#) [CK05BX270KPDIP](#) [CK05BX271KTR1](#)  
[CK05BX272KTR1](#) [CK05BX272KTR2](#) [CK05BX330KTR2](#) [CK05BX331KAP2](#) [CK05BX331KPDIP](#) [CK05BX331KTR2](#)  
[CK05BX331M](#) [CK05BX331MAP1](#) [CK05BX332KPDIP](#) [CK05BX332KTR2](#) [CK05BX332MAP1](#) [CK05BX333KTR2](#)