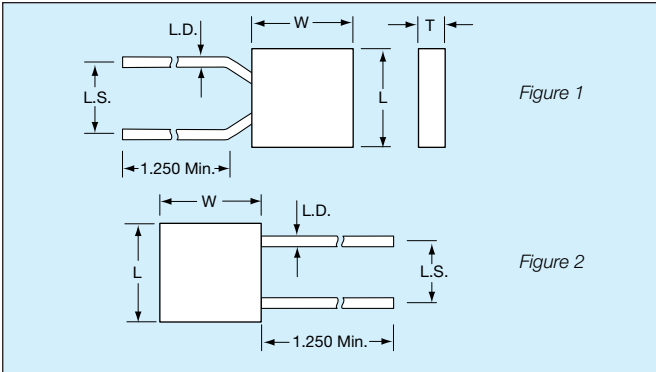




HOW TO ORDER

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 (.190 $\pm$.010)	7.37 $\pm$.25 (.290 $\pm$.010)
Width (W)	4.83 $\pm$.25 (.190 $\pm$.010)	7.37 $\pm$.25 (.290 $\pm$.010)
Thickness (T)	2.29 $\pm$.25 (.090 $\pm$.010)	2.29 $\pm$.25 (.090 $\pm$.010)
Lead Spacing (L.S.)	5.08 $\pm$.38 (.200 $\pm$.015)	5.08 $\pm$.38 (.200 $\pm$.015)
Lead Diameter (L.D.)	.64 $\pm$.05 (.025 $\pm$.002)	.64 $\pm$.05 (.025 $\pm$.002)

MILITARY PART NUMBER IDENTIFICATION CK05 AND CK06

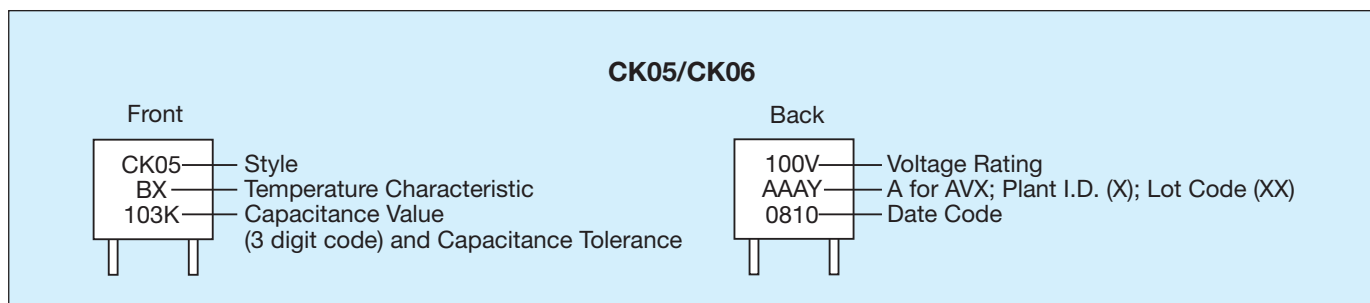
Military Type Designation	Capacitance (pF)	Capacitance Tolerance	WVDC
CK05 (BX)			
CK05BX100_	10	K, M	200
CK05BX120K_	12	K	200
CK05BX150_	15	K, M	200
CK05BX180K_	18	K	200
CK05BX220_	22	K, M	200
CK05BX270K_	27	K	200
CK05BX330_	33	K, M	200
CK05BX390K_	39	K	200
CK05BX470_	47	K, M	200
CK05BX560K_	56	K	200
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

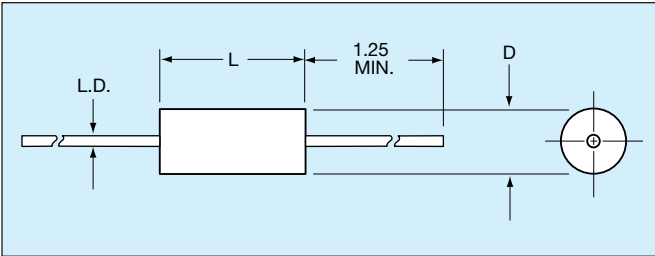
— Add Capacitance Tolerance Letter K = $\pm 10\%$ or M = $\pm 20\%$

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





HOW TO ORDER

Military Type Designation: Styles CK12, CK13, CK14, CK15, CK16

CK12

Style

CK = General purpose, ceramic dielectric, fixed capacitors
12 = 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
R	+15, -15%	+15, -40%
X	+15, -15%	+15, -25%

103

Capacitance

First two digits are the significant figures of capacitance. Third digit indicates the additional number of zeros. For example, order 10,000 pF as 103.

K

Capacitance Tolerance

K = ±10%
M = ±20%

Not RoHS Compliant

PACKAGING REQUIREMENTS

Packaging: Bulk

CK12, 13 & 14 100 pcs per bag
CK15 & 16 50 pcs per bag

Tape & Reel

CK12, 13 5000 pcs per reel
CK14 3000 pcs per reel
CK15 950 pcs per reel
CK16 650 pcs per reel

SIZE SPECIFICATIONS

Dimensions: Millimeters (Inches)

Case Size	Per MIL Spec				
MIL-C-11015	CK12	CK13	CK14	CK15	CK16
Length (L)	4.07±.25 (.160±.010)	6.35±.25 (.250±.010)	9.91±.25 (.390±.010)	12.7±.51 (.500±.020)	17.53±.51 (.690±.020)
Diameter (D)	2.29±.25 (.090±.010)	2.29±.25 (.090±.010)	3.56±.25 (.140±.010)	6.35±.38 (.250±.015)	8.89±.51 (.350±.020)
Lead Diameter (L.D.)	.48±.05 (.019±.002)	.48±.05 (.019±.002)	.63±.05 (.025±.002)	.63±.05 (.025±.002)	.63±.05 (.025±.002)

MILITARY PART NUMBER IDENTIFICATION CK12 THRU CK16

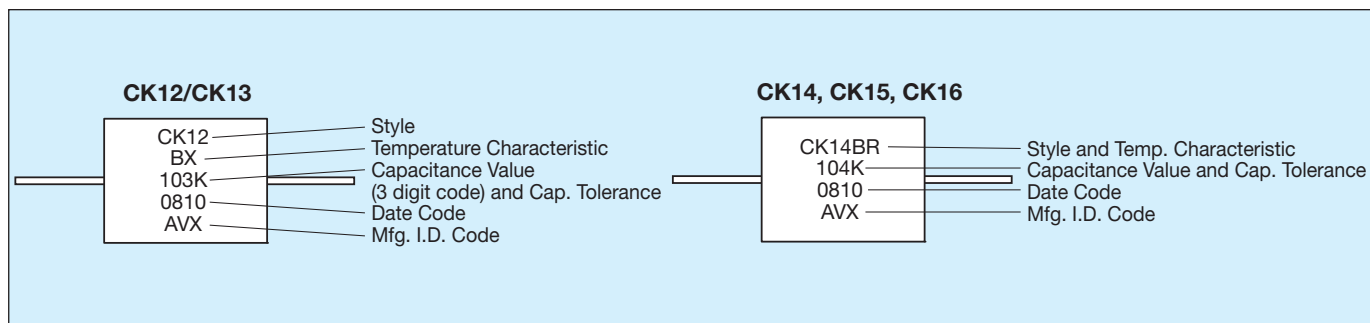
Military Type Designation	Capacitance (pF)	Capacitance Tolerance	WVDC
CK12 (BX)			
CK12BX100_	10	K, M	100
CK12BX120K	12	K	100
CK12BX150_	15	K, M	100
CK12BX180K	18	K	100
CK12BX220_	22	K, M	100
CK12BX270K	27	K	100
CK12BX330_	33	K, M	100
CK12BX390K	39	K	100
CK12BX470_	47	K, M	100
CK12BX560K	56	K	100
CK12BX680_	68	K, M	100
CK12BX820K	82	K	100
CK12BX101_	100	K, M	100
CK12BX121K	120	K	100
CK12BX151_	150	K, M	100
CK12BX181K	180	K	100
CK12BX221_	220	K, M	100
CK12BX271K	270	K	100
CK12BX331_	330	K, M	100
CK12BX391K	390	K	100
CK12BX471_	470	K, M	100
CK12BX561K	560	K	100
CK12BX681_	680	K, M	100
CK12BX821K	820	K	100
CK12BX102_	1,000	K, M	100
CK12BX122K	1,200	K	100
CK12BX152_	1,500	K, M	100
CK12BX182K	1,800	K	100
CK12BX222_	2,200	K, M	100
CK12BX272K	2,700	K	100
CK12BX332_	3,300	K, M	100
CK12BX392K	3,900	K	100
CK12BX472_	4,700	K, M	100
CK12BX562K	5,600	K	50
CK12BX682_	6,800	K, M	50
CK12BX822K	8,200	K	50
CK12BX103_	10,000	K, M	50
CK13 (BX)			
CK13BX562K	5,600	K	100
CK13BX682_	6,800	K, M	100
CK13BX822K	8,200	K	100
CK13BX103_	10,000	K, M	100
CK13BX123K	12,000	K	50
CK13BX153_	15,000	K, M	50
CK13BX183K	18,000	K	50
CK13BX223_	22,000	K, M	50
CK13 (BR)			
CK13BR273K	27,000	K	50
CK13BR333_	33,000	K, M	50
CK13BR393K	39,000	K	50
CK13BR473_	47,000	K, M	50

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

Military Type Designation	Capacitance (pF)	Capacitance Tolerance	WVDC
CK14 (BX)			
CK14BX123K	12,000	K	100
CK14BX153_	15,000	K, M	100
CK14BX183K	18,000	K	100
CK14BX223_	22,000	K, M	100
CK14BX273K	27,000	K	100
CK14BX333_	33,000	K, M	100
CK14BX393K	39,000	K	100
CK14BX473_	47,000	K, M	100
CK14 (BR)			
CK14BR563K	56,000	K	100
CK14BR683_	68,000	K, M	100
CK14BR823K	82,000	K	100
CK14BR104_	100,000	K, M	100
CK14BR124K	120,000	K	50
CK14BR154_	150,000	K, M	50
CK14BR184K	180,000	K	50
CK14BR224_	220,000	K, M	50
CK14BR274K	270,000	K	50
CK15 (BX)			
CK15BX104K	100,000	K, M	100
CK15 (BR)			
CK15BR124K	120,000	K	100
CK15BR154_	150,000	K, M	100
CK15BR184K	180,000	K	100
CK15BR224_	220,000	K, M	100
CK15BR274K	270,000	K	100
CK15BR334_	330,000	K, M	100
CK15BR474K	470,000	K, M	50
CK15BR105_	1,000,000	K, M	50
CK16 (BR)			
CK16BR474K	470,000	K, M	100
CK16BR105_	1,000,000	K, M	100
CK16BR225_	2,200,000	K, M	50
CK16BR335_	3,300,000	K, M	50

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

MARKING



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

AVX:

[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](#) [CK05BX333M](#)
[CK05BX390KTR1](#) [CK05BX391KTR1](#) [CK05BX392KPDIP](#) [CK05BX392KTR1](#) [CK05BX393K](#) [CK05BX470KAP1](#)
[CK05BX470KTR2](#) [CK05BX470MAP1](#) [CK05BX471KAP1](#) [CK05BX471KPDIP](#) [CK05BX471M](#) [CK05BX471MTR1](#)
[CK05BX472KAP1](#) [CK05BX472KPDIP](#) [CK05BX472KTR2](#) [CK05BX472M](#) [CK05BX473KAP1](#) [CK05BX473KAP2](#)
[CK05BX473KPDIP](#) [CK05BX473KTR1](#) [CK05BX473KTR2](#) [CK05BX473M](#) [CK05BX560KAP1](#) [CK05BX561KAP1](#)
[CK05BX561KPDIP](#) [CK05BX562KPDIP](#) [CK05BX562KTR1](#) [CK05BX562KTR2](#) [CK05BX563KTR1](#) [CK05BX680KAP1](#)
[CK05BX680KTR1](#) [CK05BX680M](#) [CK05BX681KAP2](#) [CK05BX681KTR2](#) [CK05BX681M](#) [CK05BX682KAP1](#)
[CK05BX682KTR2](#) [CK05BX682M](#) [CK05BX683KTR1](#) [CK05BX683KTR2](#) [CK05BX820KAP1](#) [CK05BX820KTR1](#)
[CK05BX821KTR1](#) [CK05BX821KTR2](#) [CK05BX822KTR1](#) [CK05BX823K](#) [CK05BX823KAP1](#) [CK05BX823KTR1](#)
[CK06BX103K-CUT](#) [CK06BX103KAP2](#) [CK06BX103KTR2](#) [CK06BX103MTR1](#) [CK06BX104KAP2](#) [CK06BX104M](#)
[CK06BX104MAP2](#) [CK06BX104MTR1](#) [CK06BX105KAP2](#) [CK06BX105KTR1B](#) [CK06BX105M](#) [CK06BX105MAP2](#)
[CK06BX122K](#) [CK06BX122KTR1](#) [CK06BX122KTR2](#) [CK06BX123K](#) [CK06BX123KTR1](#) [CK06BX124K](#)
[CK06BX124KTR1](#) [CK06BX124KTR2](#) [CK06BX153K](#) [CK06BX153KTR1](#)