

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	BX	104	K						
Style	Voltage-Temperature Limits	Capacitance	Capacitance Tolerance						
CK = General purpose, ceramic dielectric, fixed capacitors 05 = Remaining two numbers identify shape and dimension	First letter identifies temperature range. B = -55°C to +125°C Second letter identifies voltage-temperature coefficient.	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 = ±10% M = ±20%						
Capacitance Change with Reference to 25°C <table border="1"> <thead> <tr> <th>Second Letter</th> <th>No Voltage</th> <th>Rated Voltage</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>+15, -15%</td> <td>+15, -25%</td> </tr> </tbody> </table>		Second Letter	No Voltage	Rated Voltage	X	+15, -15%	+15, -25%	Not RoHS Compliant	
Second Letter	No Voltage	Rated Voltage							
X	+15, -15%	+15, -25%							

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

MIL-C-11015/Radial Leads



MILITARY PART NUMBER IDENTIFICATION CK05 AND CK06

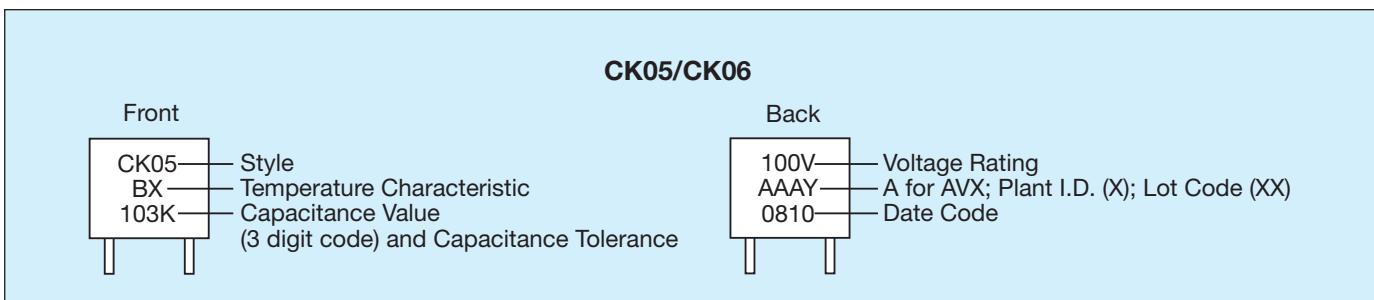
Military Type Designation	Capacitance (pF)	Capacitance Tolerance	WVDC
CK05 (BX)			
CK05BX100	10	K, M	200
CK05BX120K	12	K	200
CK05BX150	15	K, M	200
CK05BX180K	18	K	200
CK05BX220	22	K, M	200
CK05BX270K	27	K	200
CK05BX330	33	K, M	200
CK05BX390K	39	K	200
CK05BX470	47	K, M	200
CK05BX560K	56	K	200
CK05BX680	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

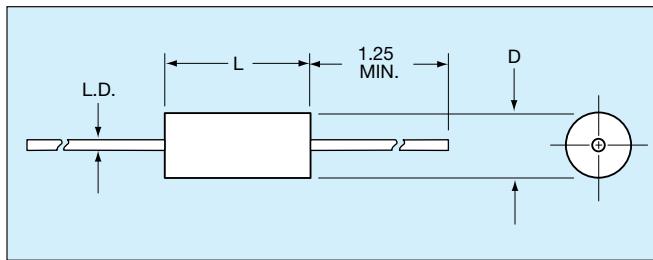
Add Capacitance Tolerance Letter K = ±10% or M = ±20%

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
CK06BX105	100,000	K, M	100

Add Capacitance Tolerance Letter K = ±10% or M = ±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.

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

Capacitance Change with Reference to 25°C		
Second Letter	No Voltage	Rated Voltage
R	+15, -15%	+15, -40%
X	+15, -15%	+15, -25%

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
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)

MIL-C-11015/Axial Leads



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 = ±10% or M = ±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 = ±10% or M = ±20%

MARKING

