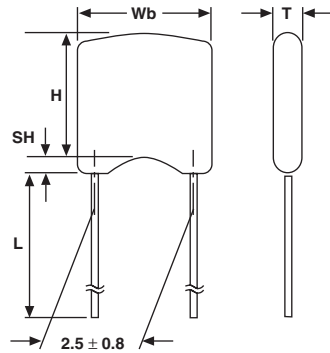


Dipped Radial Multilayer Ceramic Capacitors for 50 - 100 Vdc

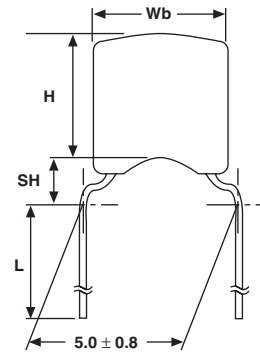


RoHS
COMPLIANT

DIMENSIONS

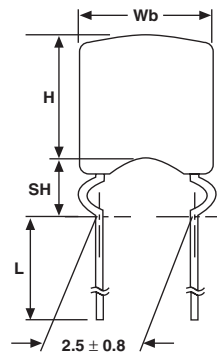


L2
Component outline for
Lead spacing 2.5 ± 0.8 mm
(straight leads)

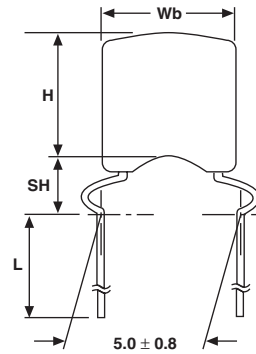


H5
Component outline for
Lead spacing 5.0 ± 0.8 mm
(flat bent leads)

L2 and H5 are preferred styles



K2
Component outline for
Lead spacing 2.5 ± 0.8 mm
(outside kink)



K5
Component outline for
Lead spacing 5.0 ± 0.8 mm
(outside kink)

CAPACITOR DIMENSIONS AND WEIGHT

SIZE	Wb _{MAX}	H _{MAX}	T _{MAX}	MAX. SEATING HEIGHT (SH)				WEIGHT (g)
				L2	H5	K2	K5	
15	4.0 (0.15)	4.0 (0.15)	2.5 (0.100)	1.58 (0.062)	2.54 (0.100)	3.50 (0.140)	3.50 (0.140)	≈ 0.15
20	5.0 (0.20)	5.0 (0.20)	3.2 (0.13)	1.58 (0.062)	2.54 (0.100)	3.50 (0.140)	3.50 (0.140)	≈ 0.16

Note

1. Bulk packed types have a standard lead length L = 25.4 mm (1.0 inch) minimum
2. Dimensions between parentheses are in inches
3. Thickness is defined as T



QUICK REFERENCE DATA						
DESCRIPTION	VALUE					
Capacitance range	10 pF to 6800 pF		100 pF to 1.0 μF		0.1 μF to 1.0 μF	
Rated DC voltage	50 V	100 V	50 V	100 V	50 V	100 V
Tolerance on capacitance	± 5 % / ± 10 %		± 10 % / ± 20 %		+ 80 / - 20 %	
Dielectric Code	C0G (NP0)		X7R		Y5V	

ORDERING INFORMATION									
K	103	K	15	X7R	F	5	3	H	5
PRODUCT TYPE	CAPACITANCE CODE	CAPACITANCE TOLERANCE	SIZE CODE	TEMP. CHAR.	RATED VOLTAGE	LEAD DIAMETER	LEAD LENGTH/PACKAGING	LEAD STYLE	LEAD SPACING
K = Mono-Kap	Two significant digits followed by the number of zeros. example: 103 = 10000 pF	J = ± 5 % K = ± 10 % M = ± 20 % Z = + 80/- 20 %	Ref. mechanical spec.	C0G X7R Y5V	F = 50 V _{DC} H = 100 V _{DC}	5 = 0.5 mm (0.020")	3 = bulk, with lead length of 30 ± 5.0 (1.25") T = Tape and Reel U = Ammo pack	L = Straight Lead H = High Seated assy	2 = 2.5 (0.100") 5 = 5.0 (0.200")



CAPACITANCE RANGE CHART COG (NP0) DIELECTRIC

SIZE		15		20	
RATED VOLTAGE		50	100	50	100
VALUE	CODE				
10 pF	100				
12 pF	120				
15 pF	150				
18 pF	180				
22 pF	220				
27 pF	270				
33 pF	330				
39pF	390				
47 pF	470				
56 pF	560				
68 pF	680				
82 pF	820				
100 pF	101				
120 pF	121				
150 pF	151				
180 pF	181				
220 pF	221				
270 pF	271				
330 pF	331				
390 pF	391				
470 pF	471				
560 pF	561				
680 pF	681				
820 pF	821				
1000 pF	102				
1200 pF	122				
1500 pF	152				
1800 pF	182				
2200 pF	222				
2700 pF	272				
3300 pF	332				
3900 pF	392				
4700 pF	472				
5600 pF	562				
6800 pF	682				
8200 pF	822				
0.01 μ F	103				

Y5V DIELECTRIC

SIZE		15		20	
RATED VOLTAGE		50	100	50	100
VALUE	CODE				
0.01 μ F	103				
0.015 μ F	153				
0.022 μ F	223				
0.033 μ F	333				
0.047 μ F	473				
0.068 μ F	683				
0.10 μ F	104				
0.15 μ F	154				
0.22 μ F	224				
0.33 μ F	334				
0.47 μ F	474				
0.68 μ F	684				
1.0 μ F	105				

X7R DIELECTRIC

SIZE		15		20	
RATED VOLTAGE		50	100	50	100
VALUE	CODE				
100 pF	101				
120 pF	121				
150 pF	151				
180 pF	181				
220 pF	221				
270 pF	271				
330 pF	331				
390 pF	391				
470 pF	471				
560 pF	561				
680 pF	681				
820 pF	821				
1000 pF	102				
1200 pF	122				
1500 pF	152				
1800 pF	182				
2200 pF	222				
2700 pF	272				
3300 pF	332				
3900 pF	392				
4700 pF	472				
5600 pF	562				
6800 pF	682				
8200 pF	822				
0.01 μ F	103				
0.012 μ F	123				
0.015 μ F	153				
0.018 μ F	183				
0.022 μ F	223				
0.027 μ F	273				
0.033 μ F	333				
0.039 μ F	393				
0.047 μ F	473				
0.056 μ F	563				
0.068 μ F	683				
0.082 μ F	823				
0.10 μ F	104				
0.15 μ F	154				
0.22 μ F	224				
0.33 μ F	334				
0.47 μ F	474				
0.68 μ F	684				
1.0 μ F	105				



**Dipped Radial Multilayer Ceramic Capacitors
50 - 100 Vdc**

MONO-KAP Y5V - 50 VDC CLEAR TEXT CODE			
		LEADSPACING	+ 80 / - 20 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
10000	50 Vdc	2.5 mm (0.10")	K103Z15Y5VF5.L2
10000		5.0 mm (0.20")	K103Z15Y5VF5.H5
15000		2.5 mm (0.10")	K153Z15Y5VF5.L2
15000		5.0 mm (0.20")	K153Z15Y5VF5.H5
22000		2.5 mm (0.10")	K223Z15Y5VF5.L2
22000		5.0 mm (0.20")	K223Z15Y5VF5.H5
33000		2.5 mm (0.10")	K333Z15Y5VF5.L2
33000		5.0 mm (0.20")	K333Z15Y5VF5.H5
47000		2.5 mm (0.10")	K473Z15Y5VF5.L2
47000		5.0 mm (0.20")	K473Z15Y5VF5.H5
68000		2.5 mm (0.10")	K683Z15Y5VF5.L2
68000		5.0 mm (0.20")	K683Z15Y5VF5.H5
100000		2.5 mm (0.10")	K104Z15Y5VF5.L2
100000		5.0 mm (0.20")	K104Z15Y5VF5.H5
150000		2.5 mm (0.10")	K154Z15Y5VF5.L2
150000		5.0 mm (0.20")	K154Z15Y5VF5.H5
220000		2.5 mm (0.10")	K224Z15Y5VF5.L2
220000		5.0 mm (0.20")	K224Z15Y5VF5.H5
330000		2.5 mm (0.10")	K334Z20Y5VF5.L2
330000		5.0 mm (0.20")	K334Z20Y5VF5.H5
470000		2.5 mm (0.10")	K474Z20Y5VF5.L2
470000		5.0 mm (0.20")	K474Z20Y5VF5.H5
680000		2.5 mm (0.10")	K684Z20Y5VF5.L2
680000		5.0 mm (0.20")	K684Z20Y5VF5.H5
1000000		2.5 mm (0.10")	K105Z20Y5VF5.L2
1000000		5.0 mm (0.20")	K105Z20Y5VF5.H5

MONO-KAP X7R - 50 VDC CLEAR TEXT CODE				
		LEADSPACING	10 % TOLERANCE	20 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
100	50 Vdc	2.5 mm (0.10")	K101K15X7RF5.L2	K101M15X7RF5.L2
100		5.0 mm (0.20")	K101K15X7RF5.H5	K101M15X7RF5.H5
120		2.5 mm (0.10")	K121K15X7RF5.L2	K121M15X7RF5.L2
120		5.0 mm (0.20")	K121K15X7RF5.H5	K121M15X7RF5.H5
150		2.5 mm (0.10")	K151K15X7RF5.L2	K151M15X7RF5.L2
150		5.0 mm (0.20")	K151K15X7RF5.H5	K151M15X7RF5.H5
180		2.5 mm (0.10")	K181K15X7RF5.L2	K181M15X7RF5.L2
180		5.0 mm (0.20")	K181K15X7RF5.H5	K181M15X7RF5.H5
220		2.5 mm (0.10")	K221K15X7RF5.L2	K221M15X7RF5.L2
220		5.0 mm (0.20")	K221K15X7RF5.H5	K221M15X7RF5.H5
270		2.5 mm (0.10")	K271K15X7RF5.L2	K271M15X7RF5.L2
270		5.0 mm (0.20")	K271K15X7RF5.H5	K271M15X7RF5.H5
330		2.5 mm (0.10")	K331K15X7RF5.L2	K331M15X7RF5.L2



MONO-KAP X7R - 50 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	LEADSPACING	10 % TOLERANCE	20 % TOLERANCE
		MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
330	50 Vdc	5.0 mm (0.20")	K331K15X7RF5.H5	K331M15X7RF5.H5
390		2.5 mm (0.10")	K391K15X7RF5.L2	K391M15X7RF5.L2
390		5.0 mm (0.20")	K391K15X7RF5.H5	K391M15X7RF5.H5
470		2.5 mm (0.10")	K471K15X7RF5.L2	K471M15X7RF5.L2
470		5.0 mm (0.20")	K471K15X7RF5.H5	K471M15X7RF5.H5
560		2.5 mm (0.10")	K561K15X7RF5.L2	K561M15X7RF5.L2
560		5.0 mm (0.20")	K561K15X7RF5.H5	K561M15X7RF5.H5
680		2.5 mm (0.10")	K681K15X7RF5.L2	K681M15X7RF5.L2
680		5.0 mm (0.20")	K681K15X7RF5.H5	K681M15X7RF5.H5
820		2.5 mm (0.10")	K821K15X7RF5.L2	K821M15X7RF5.L2
820		5.0 mm (0.20")	K821K15X7RF5.H5	K821M15X7RF5.H5
1000		2.5 mm (0.10")	K102K15X7RF5.L2	K102M15X7RF5.L2
1000		5.0 mm (0.20")	K102K15X7RF5.H5	K102M15X7RF5.H5
1200		2.5 mm (0.10")	K122K15X7RF5.L2	K122M15X7RF5.L2
1200		5.0 mm (0.20")	K122K15X7RF5.H5	K122M15X7RF5.H5
1500		2.5 mm (0.10")	K152K15X7RF5.L2	K152M15X7RF5.L2
1500		5.0 mm (0.20")	K152K15X7RF5.H5	K152M15X7RF5.H5
1800		2.5 mm (0.10")	K182K15X7RF5.L2	K182M15X7RF5.L2
1800		5.0 mm (0.20")	K182K15X7RF5.H5	K182M15X7RF5.H5
2200		2.5 mm (0.10")	K222K15X7RF5.L2	K222M15X7RF5.L2
2200		5.0 mm (0.20")	K222K15X7RF5.H5	K222M15X7RF5.H5
2700		2.5 mm (0.10")	K272K15X7RF5.L2	K272M15X7RF5.L2
2700		5.0 mm (0.20")	K272K15X7RF5.H5	K272M15X7RF5.H5
3300		2.5 mm (0.10")	K332K15X7RF5.L2	K332M15X7RF5.L2
3300		5.0 mm (0.20")	K332K15X7RF5.H5	K332M15X7RF5.H5
3900		2.5mm (0.10")	K392K15X7RF5.L2	K392M15X7RF5.L2
3900		5.0 mm (0.20")	K392K15X7RF5.H5	K392M15X7RF5.H5
4700		2.5 mm (0.10")	K472K15X7RF5.L2	K472M15X7RF5.L2
4700		5.0 mm (0.20")	K472K15X7RF5.H5	K472M15X7RF5.H5
5600		2.5 mm (0.10")	K562K15X7RF5.L2	K562M15X7RF5.L2
5600		5.0 mm (0.20")	K562K15X7RF5.H5	K562M15X7RF5.H5
6800		2.5 mm (0.10")	K682K15X7RF5.L2	K682M15X7RF5.L2
6800		5.0 mm (0.20")	K682K15X7RF5.H5	K682M15X7RF5.H5
8200		2.5 mm (0.10")	K822K15X7RF5.L2	K822M15X7RF5.L2
8200		5.0 mm (0.20")	K822K15X7RF5.H5	K822M15X7RF5.H5
10000		2.5 mm (0.10")	K103K15X7RF5.L2	K103M15X7RF5.L2
10000		5.0 mm (0.20")	K103K15X7RF5.H5	K103M15X7RF5.H5
12000		2.5 mm (0.10")	K123K15X7RF5.L2	K123M15X7RF5.L2
12000		5.0 mm (0.20")	K123K15X7RF5.H5	K123M15X7RF5.H5
15000		2.5 mm (0.10")	K153K15X7RF5.L2	K153M15X7RF5.L2
15000	5.0 mm (0.20")	K153K15X7RF5.H5	K153M15X7RF5.H5	
18000	2.5 mm (0.10")	K183K15X7RF5.L2	K183M15X7RF5.L2	
18000	5.0 mm (0.20")	K183K15X7RF5.H5	K183M15X7RF5.H5	
22000	2.5 mm (0.10")	K223K15X7RF5.L2	K223M15X7RF5.L2	
22000	5.0 mm (0.20")	K223K15X7RF5.H5	K223M15X7RF5.H5	
27000	2.5 mm (0.10")	K273K15X7RF5.L2	K273M15X7RF5.L2	



MONO-KAP X7R - 50 VDC CLEAR TEXT CODE				
		LEADSPACING	10 % TOLERANCE	20 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
27000	50 Vdc	5.0 mm (0.20")	K273K15X7RF5.H5	K273M15X7RF5.H5
33000		2.5 mm (0.10")	K333K15X7RF5.L2	K333M15X7RF5.L2
33000		5.0 mm (0.20")	K333K15X7RF5.H5	K333M15X7RF5.H5
39000		2.5 mm (0.10")	K393K15X7RF5.L2	K393M15X7RF5.L2
39000		5.0 mm (0.20")	K393K15X7RF5.H5	K393M15X7RF5.H5
47000		2.5 mm (0.10")	K473K15X7RF5.L2	K473M15X7RF5.L2
47000		5.0 mm (0.20")	K473K15X7RF5.H5	K473M15X7RF5.H5
56000		2.5 mm (0.10")	K563K15X7RF5.L2	K563M15X7RF5.L2
56000		5.0 mm (0.20")	K563K15X7RF5.H5	K563M15X7RF5.H5
68000		2.5 mm (0.10")	K683K15X7RF5.L2	K683M15X7RF5.L2
68000		5.0 mm (0.20")	K683K15X7RF5.H5	K683M15X7RF5.H5
82000		2.5 mm (0.10")	K823K15X7RF5.L2	K823M15X7RF5.L2
82000		5.0 mm (0.20")	K823K15X7RF5.H5	K823M15X7RF5.H5
100000		2.5 mm (0.10")	K104K15X7RF5.L2	K104M15X7RF5.L2
100000		5.0 mm (0.20")	K104K15X7RF5.H5	K104M15X7RF5.H5
150000		2.5 mm (0.10")	K154K20X7RF5.L2	K154M20X7RF5.L2
150000		5.0 mm (0.20")	K154K20X7RF5.H5	K154M20X7RF5.H5
220000		2.5 mm (0.10")	K224K20X7RF5.L2	K224M20X7RF5.L2
220000		5.0 mm (0.20")	K224K20X7RF5.H5	K224M20X7RF5.H5
330000		2.5 mm (0.10")	K334K20X7RF5.L2	K334M20X7RF5.L2
330000		5.0 mm (0.20")	K334K20X7RF5.H5	K334M20X7RF5.H5
470000		2.5 mm (0.10")	K474K20X7RF5.L2	K474M20X7RF5.L2
470000		5.0 mm (0.20")	K474K20X7RF5.H5	K474M20X7RF5.H5
680000		2.5 mm (0.10")	K684K20X7RF5.L2	K684M20X7RF5.L2
680000		5.0 mm (0.20")	K684K20X7RF5.H5	K684M20X7RF5.H5
1000000		2.5 mm (0.10")	K105K20X7RF5.L2	K105M20X7RF5.L2
1000000		5.0 mm (0.20")	K105K20X7RF5.H5	K105M20X7RF5.H5

MONO-KAP C0G - 50 VDC CLEAR TEXT CODE				
		LEADSPACING	10 % TOLERANCE	20 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
10	50 Vdc	2.5 mm (0.10")	K100J15C0GF5.L2	K100K15C0GF5.L2
10		5.0 mm (0.20")	K100J15C0GF5.H5	K100K15C0GF5.H5
12		2.5 mm (0.10")	K120J15C0GF5.L2	K120K15C0GF5.L2
12		5.0 mm (0.20")	K120J15C0GF5.H5	K120K15C0GF5.H5
15		2.5 mm (0.10")	K150J15C0GF5.L2	K150K15C0GF5.L2
15		5.0 mm (0.20")	K150J15C0GF5.H5	K150K15C0GF5.H5
18		2.5 mm (0.10")	K180J15C0GF5.L2	K180K15C0GF5.L2
18		5.0 mm (0.20")	K180J15C0GF5.H5	K180K15C0GF5.H5
22		2.5 mm (0.10")	K220J15C0GF5.L2	K220K15C0GF5.L2
22		5.0 mm (0.20")	K220J15C0GF5.H5	K220K15C0GF5.H5
27		2.5 mm (0.10")	K270J15C0GF5.L2	K270K15C0GF5.L2
27		5.0 mm (0.20")	K270J15C0GF5.H5	K270K15C0GF5.H5
33		2.5 mm (0.10")	K330J15C0GF5.L2	K330K15C0GF5.L2
33		5.0 mm (0.20")	K330J15C0GF5.H5	K330K15C0GF5.H5

MONO-KAP C0G - 50 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	LEADSPACING	10 % TOLERANCE	20 % TOLERANCE
		MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
39	50 Vdc	2.5 mm (0.10")	K390J15C0GF5.L2	K390K15C0GF5.L2
39		5.0 mm (0.20")	K390J15C0GF5.H5	K390K15C0GF5.H5
47		2.5 mm (0.10")	K470J15C0GF5.L2	K470K15C0GF5.L2
47		5.0 mm (0.20")	K470J15C0GF5.H5	K470K15C0GF5.H5
56		2.5 mm (0.10")	K560J15C0GF5.L2	K560K15C0GF5.L2
56		5.0 mm (0.20")	K560J15C0GF5.H5	K560K15C0GF5.H5
68		2.5 mm (0.10")	K680J15C0GF5.L2	K680K15C0GF5.L2
68		5.0 mm (0.20")	K680J15C0GF5.H5	K680K15C0GF5.H5
82		2.5 mm (0.10")	K820J15C0GF5.L2	K820K15C0GF5.L2
82		5.0 mm (0.20")	K820J15C0GF5.H5	K820K15C0GF5.H5
100		2.5 mm (0.10")	K101J15C0GF5.L2	K101K15C0GF5.L2
100		5.0 mm (0.20")	K101J15C0GF5.H5	K101K15C0GF5.H5
120		2.5 mm (0.10")	K121J15C0GF5.L2	K121K15C0GF5.L2
120		5.0 mm (0.20")	K121J15C0GF5.H5	K121K15C0GF5.H5
150		2.5 mm (0.10")	K151J15C0GF5.L2	K151K15C0GF5.L2
150		5.0 mm (0.20")	K151J15C0GF5.H5	K151K15C0GF5.H5
180		2.5 mm (0.10")	K181J15C0GF5.L2	K181K15C0GF5.L2
180		5.0 mm (0.20")	K181J15C0GF5.H5	K181K15C0GF5.H5
220		2.5 mm (0.10")	K221J15C0GF5.L2	K221K15C0GF5.L2
220		5.0 mm (0.20")	K221J15C0GF5.H5	K221K15C0GF5.H5
270		2.5 mm (0.10")	K271J15C0GF5.L2	K271K15C0GF5.L2
270		5.0 mm (0.20")	K271J15C0GF5.H5	K271K15C0GF5.H5
330		2.5 mm (0.10")	K331J15C0GF5.L2	K331K15C0GF5.L2
330		5.0 mm (0.20")	K331J15C0GF5.H5	K331K15C0GF5.H5
390		2.5 mm (0.10")	K391J15C0GF5.L2	K391K15C0GF5.L2
390		5.0 mm (0.20")	K391J15C0GF5.H5	K391K15C0GF5.H5
470		2.5 mm (0.10")	K471J15C0GF5.L2	K471K15C0GF5.L2
470		5.0 mm (0.20")	K471J15C0GF5.H5	K471K15C0GF5.H5
560		2.5 mm (0.10")	K561J15C0GF5.L2	K561K15C0GF5.L2
560		5.0 mm (0.20")	K561J15C0GF5.H5	K561K15C0GF5.H5
680		2.5 mm (0.10")	K681J15C0GF5.L2	K681K15C0GF5.L2
680		5.0 mm (0.20")	K681J15C0GF5.H5	K681K15C0GF5.H5
820		2.5 mm (0.10")	K821J15C0GF5.L2	K821K15C0GF5.L2
820		5.0 mm (0.20")	K821J15C0GF5.H5	K821K15C0GF5.H5
1000		2.5 mm (0.10")	K102J15C0GF5.L2	K102K15C0GF5.L2
1000		5.0 mm (0.20")	K102J15C0GF5.H5	K102K15C0GF5.H5
1200		2.5 mm (0.10")	K122J15C0GF5.L2	K122K15C0GF5.L2
1200		5.0 mm (0.20")	K122J15C0GF5.H5	K122K15C0GF5.H5
1500		2.5 mm (0.10")	K152J15C0GF5.L2	K152K15C0GF5.L2
1500		5.0 mm (0.20")	K152J15C0GF5.H5	K152K15C0GF5.H5
1800		2.5 mm (0.10")	K182J15C0GF5.L2	K182K15C0GF5.L2
1800		5.0 mm (0.20")	K182J15C0GF5.H5	K182K15C0GF5.H5
2200	2.5 mm (0.10")	K222J15C0GF5.L2	K222K15C0GF5.L2	
2200	5.0 mm (0.20")	K222J15C0GF5.H5	K222K15C0GF5.H5	
2700	2.5 mm (0.10")	K272J20C0GF5.L2	K272K20C0GF5.L2	
2700	5.0 mm (0.20")	K272J20C0GF5.H5	K272K20C0GF5.H5	



Dipped Radial Multilayer Ceramic Capacitors
50 - 100 Vdc

MONO-KAP C0G - 50 VDC CLEAR TEXT CODE				
		LEADSPACING	10 % TOLERANCE	20 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
3300	50 Vdc	2.5 mm (0.10")	K332J20C0GF5.L2	K332K20C0GF5.L2
3300		5.0 mm (0.20")	K332J20C0GF5.H5	K332K20C0GF5.H5
3900		2.5 mm (0.10")	K392J20C0GF5.L2	K392K20C0GF5.L2
3900		5.0 mm (0.20")	K392J20C0GF5.H5	K392K20C0GF5.H5
4700		2.5 mm (0.10")	K472J20C0GF5.L2	K472K20C0GF5.L2
4700		5.0 mm (0.20")	K472J20C0GF5.H5	K472K20C0GF5.H5
5600		2.5 mm (0.10")	K562J20C0GF5.L2	K562K20C0GF5.L2
5600		5.0 mm (0.20")	K562J20C0GF5.H5	K562K20C0GF5.H5
6800		2.5 mm (0.10")	K682J20C0GF5.L2	K682K20C0GF5.L2
6800		5.0 mm (0.20")	K682J20C0GF5.H5	K682K20C0GF5.H5
8200		2.5 mm (0.10")	K822J20C0GF5.L2	K822K20C0GF5.L2
8200		5.0 mm (0.20")	K822J20C0GF5.H5	K822K20C0GF5.H5
10000		2.5 mm (0.10")	K103J20C0GF5.L2	K103K20C0GF5.L2
10000		5.0 mm (0.20")	K103J20C0GF5.H5	K103K20C0GF5.H5

MONO-KAP Y5V - 100 VDC CLEAR TEXT CODE			
		LEADSPACING	+ 80 / - 20 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM(INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
10000	100 Vdc	2.5 mm (0.10")	K103Z15Y5VH53L2
10000		5.0 mm (0.20")	K103Z15Y5VH53H5
15000		2.5 mm (0.10")	K153Z15Y5VH53L2
15000		5.0 mm (0.20")	K153Z15Y5VH53H5
22000		2.5 mm (0.10")	K223Z15Y5VH53L2
22000		5.0 mm (0.20")	K223Z15Y5VH53H5
33000		2.5 mm (0.10")	K333Z15Y5VH53L2
33000		5.0 mm (0.20")	K333Z15Y5VH53H5
47000		2.5 mm (0.10")	K473Z15Y5VH53L2
47000		5.0 mm (0.20")	K473Z15Y5VH53H5
68000		2.5 mm (0.10")	K683Z15Y5VH53L2
68000		5.0 mm (0.20")	K683Z15Y5VH53H5
100000		2.5 mm (0.10")	K104Z15Y5VH53L2
100000		5.0 mm (0.20")	K104Z15Y5VH53H5
150000		2.5 mm (0.10")	K154Z20Y5VH53L2
150000		5.0 mm (0.20")	K154Z20Y5VH53H5
220000		2.5 mm (0.10")	K224Z20Y5VH53L2
220000		5.0 mm (0.20")	K224Z20Y5VH53H5



MONO-KAP X7R - 100 VDC CLEAR TEXT CODE				
CAP (pF)	RATED VOLTAGE (Vdc)	LEADSPACING	10 % TOLERANCE	20 % TOLERANCE
		MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
100	100 Vdc	2.5 mm (0.10")	K101K15X7RH5.L2	K101M15X7RH5.L2
100		5.0 mm (0.20")	K101K15X7RH5.H5	K101M15X7RH5.H5
120		2.5 mm (0.10")	K121K15X7RH5.L2	K121M15X7RH5.L2
120		5.0 mm (0.20")	K121K15X7RH5.H5	K121M15X7RH5.H5
150		2.5 mm (0.10")	K151K15X7RH5.L2	K151M15X7RH5.L2
150		5.0 mm (0.20")	K151K15X7RH5.H5	K151M15X7RH5.H5
180		2.5 mm (0.10")	K181K15X7RH5.L2	K181M15X7RH5.L2
180		5.0 mm (0.20")	K181K15X7RH5.H5	K181M15X7RH5.H5
220		2.5 mm (0.10")	K221K15X7RH5.L2	K221M15X7RH5.L2
220		5.0 mm (0.20")	K221K15X7RH5.H5	K221M15X7RH5.H5
270		2.5 mm (0.10")	K271K15X7RH5.L2	K271M15X7RH5.L2
270		5.0 mm (0.20")	K271K15X7RH5.H5	K271M15X7RH5.H5
330		2.5 mm (0.10")	K331K15X7RH5.L2	K331M15X7RH5.L2
330		5.0 mm (0.20")	K331K15X7RH5.H5	K331M15X7RH5.H5
390		2.5 mm (0.10")	K391K15X7RH5.L2	K391M15X7RH5.L2
390		5.0 mm (0.20")	K391K15X7RH5.H5	K391M15X7RH5.H5
470		2.5 mm (0.10")	K471K15X7RH5.L2	K471M15X7RH5.L2
470		5.0 mm (0.20")	K471K15X7RH5.H5	K471M15X7RH5.H5
560		2.5 mm (0.10")	K561K15X7RH5.L2	K561M15X7RH5.L2
560		5.0 mm (0.20")	K561K15X7RH5.H5	K561M15X7RH5.H5
680		2.5 mm (0.10")	K681K15X7RH5.L2	K681M15X7RH5.L2
680		5.0 mm (0.20")	K681K15X7RH5.H5	K681M15X7RH5.H5
820		2.5 mm (0.10")	K821K15X7RH5.L2	K821M15X7RH5.L2
820		5.0 mm (0.20")	K821K15X7RH5.H5	K821M15X7RH5.H5
1000		2.5 mm (0.10")	K102K15X7RH5.L2	K102M15X7RH5.L2
1000		5.0 mm (0.20")	K102K15X7RH5.H5	K102M15X7RH5.H5
1200		2.5 mm (0.10")	K122K15X7RH5.L2	K122M15X7RH5.L2
1200		5.0 mm (0.20")	K122K15X7RH5.H5	K122M15X7RH5.H5
1500		2.5 mm (0.10")	K152K15X7RH5.L2	K152M15X7RH5.L2
1500		5.0 mm (0.20")	K152K15X7RH5.H5	K152M15X7RH5.H5
1800		2.5 mm (0.10")	K182K15X7RH5.L2	K182M15X7RH5.L2
1800		5.0 mm (0.20")	K182K15X7RH5.H5	K182M15X7RH5.H5
2200	2.5 mm (0.10")	K222K15X7RH5.L2	K222M15X7RH5.L2	
2200	5.0 mm (0.20")	K222K15X7RH5.H5	K222M15X7RH5.H5	
2700	2.5 mm (0.10")	K272K15X7RH5.L2	K272M15X7RH5.L2	
2700	5.0 mm (0.20")	K272K15X7RH5.H5	K272M15X7RH5.H5	
3300	2.5 mm (0.10")	K332K15X7RH5.L2	K332M15X7RH5.L2	
3300	5.0 mm (0.20")	K332K15X7RH5.H5	K332M15X7RH5.H5	
3900	2.5 mm (0.10")	K392K15X7RH5.L2	K392M15X7RH5.L2	
3900	5.0 mm (0.20")	K392K15X7RH5.H5	K392M15X7RH5.H5	
4700	2.5 mm (0.10")	K472K15X7RH5.L2	K472M15X7RH5.L2	
4700	5.0 mm (0.20")	K472K15X7RH5.H5	K472M15X7RH5.H5	
5600	2.5 mm (0.10")	K562K15X7RH5.L2	K562M15X7RH5.L2	
5600	5.0 mm (0.20")	K562K15X7RH5.H5	K562M15X7RH5.H5	



**Dipped Radial Multilayer Ceramic Capacitors
50 - 100 Vdc**

MONO-KAP X7R - 100 VDC CLEAR TEXT CODE				
		LEADSPACING	10 % TOLERANCE	20 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
6800	100 Vdc	2.5 mm (0.10")	K682K15X7RH5.L2	K682M15X7RH5.L2
6800		5.0 mm (0.20")	K682K15X7RH5.H5	K682M15X7RH5.H5
8200		2.5 mm (0.10")	K822K15X7RH5.L2	K822M15X7RH5.L2
8200		5.0 mm (0.20")	K822K15X7RH5.H5	K822M15X7RH5.H5
10000		2.5 mm (0.10")	K103K15X7RH5.L2	K103M15X7RH5.L2
10000		5.0 mm (0.20")	K103K15X7RH5.H5	K103M15X7RH5.H5
12000		2.5 mm (0.10")	K123K15X7RH5.L2	K123M15X7RH5.L2
12000		5.0 mm (0.20")	K123K15X7RH5.H5	K123M15X7RH5.H5
15000		2.5 mm (0.10")	K153K15X7RH5.L2	K153M15X7RH5.L2
15000		5.0 mm (0.20")	K153K15X7RH5.H5	K153M15X7RH5.H5
18000		2.5 mm (0.10")	K183K15X7RH5.L2	K183M15X7RH5.L2
18000		5.0 mm (0.20")	K183K15X7RH5.H5	K183M15X7RH5.H5
22000		2.5 mm (0.10")	K223K15X7RH5.L2	K223M15X7RH5.L2
22000		5.0 mm (0.20")	K223K15X7RH5.H5	K223M15X7RH5.H5
27000		2.5 mm (0.10")	K273K20X7RH5.L2	K273M20X7RH5.L2
27000		5.0 mm (0.20")	K273K20X7RH5.H5	K273M20X7RH5.H5
33000		2.5 mm (0.10")	K333K20X7RH5.L2	K333M20X7RH5.L2
33000		5.0 mm (0.20")	K333K20X7RH5.H5	K333M20X7RH5.H5
39000		2.5 mm (0.10")	K393K20X7RH5.L2	K393M20X7RH5.L2
39000		5.0 mm (0.20")	K393K20X7RH5.H5	K393M20X7RH5.H5
47000		2.5 mm (0.10")	K473K20X7RH5.L2	K473M20X7RH5.L2
47000		5.0 mm (0.20")	K473K20X7RH5.H5	K473M20X7RH5.H5
56000		2.5 mm (0.10")	K563K20X7RH5.L2	K563M20X7RH5.L2
56000		5.0 mm (0.20")	K563K20X7RH5.H5	K563M20X7RH5.H5
68000		2.5 mm (0.10")	K683K20X7RH5.L2	K683M20X7RH5.L2
68000		5.0 mm (0.20")	K683K20X7RH5.H5	K683M20X7RH5.H5
82000		2.5 mm (0.10")	K823K20X7RH5.L2	K823M20X7RH5.L2
82000		5.0 mm (0.20")	K823K20X7RH5.H5	K823M20X7RH5.H5
100000		2.5 mm (0.10")	K104K20X7RH5.L2	K104M20X7RH5.L2
100000		5.0 mm (0.20")	K104K20X7RH5.H5	K104M20X7RH5.H5

MONO-KAP C0G - 100 VDC CLEAR TEXT CODE				
		LEADSPACING	5 % TOLERANCE	10 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM(INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
10	100 Vdc	2.5 mm (0.10")	K100J15C0GH5.L2	K100K15C0GH5.L2
10		5.0 mm (0.20")	K100J15C0GH5.H5	K100K15C0GH5.H5
12		2.5 mm (0.10")	K120J15C0GH5.L2	K120K15C0GH5.L2
12		5.0 mm (0.20")	K120J15C0GH5.H5	K120K15C0GH5.H5
15		2.5 mm (0.10")	K150J15C0GH5.L2	K150K15C0GH5.L2
15		5.0 mm (0.20")	K150J15C0GH5.H5	K150K15C0GH5.H5
18		2.5 mm (0.10")	K180J15C0GH5.L2	K180K15C0GH5.L2
18		5.0 mm (0.20")	K180J15C0GH5.H5	K180K15C0GH5.H5



MONO-KAP COG - 100 VDC CLEAR TEXT CODE				
		LEADSPACING	5 % TOLERANCE	10 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
22	100 Vdc	2.5 mm (0.10")	K220J15C0GH5.L2	K220K15C0GH5.L2
22		5.0 mm (0.20")	K220J15C0GH5.H5	K220K15C0GH5.H5
27		2.5 mm (0.10")	K270J15C0GH5.L2	K270K15C0GH5.L2
27		5.0 mm (0.20")	K270J15C0GH5.H5	K270K15C0GH5.H5
33		2.5 mm (0.10")	K330J15C0GH5.L2	K330K15C0GH5.L2
33		5.0 mm (0.20")	K330J15C0GH5.H5	K330K15C0GH5.H5
39		2.5 mm (0.10")	K390J15C0GH5.L2	K390K15C0GH5.L2
39		5.0 mm (0.20")	K390J15C0GH5.H5	K390K15C0GH5.H5
47		2.5 mm (0.10")	K470J15C0GH5.L2	K470K15C0GH5.L2
47		5.0 mm (0.20")	K470J15C0GH5.H5	K470K15C0GH5.H5
56		2.5 mm (0.10")	K560J15C0GH5.L2	K560K15C0GH5.L2
56		5.0 mm (0.20")	K560J15C0GH5.H5	K560K15C0GH5.H5
68		2.5 mm (0.10")	K680J15C0GH5.L2	K680K15C0GH5.L2
68		5.0 mm (0.20")	K680J15C0GH5.H5	K680K15C0GH5.H5
82		2.5 mm (0.10")	K820J15C0GH5.L2	K820K15C0GH5.L2
82		5.0 mm (0.20")	K820J15C0GH5.H5	K820K15C0GH5.H5
100		2.5 mm (0.10")	K101J15C0GH5.L2	K101K15C0GH5.L2
100		5.0 mm (0.20")	K101J15C0GH5.H5	K101K15C0GH5.H5
120		2.5 mm (0.10")	K121J15C0GH5.L2	K121K15C0GH5.L2
120		5.0 mm (0.20")	K121J15C0GH5.H5	K121K15C0GH5.H5
150		2.5 mm (0.10")	K151J15C0GH5.L2	K151K15C0GH5.L2
150		5.0 mm (0.20")	K151J15C0GH5.H5	K151K15C0GH5.H5
180		2.5 mm (0.10")	K181J15C0GH5.L2	K181K15C0GH5.L2
180		5.0 mm (0.20")	K181J15C0GH5.H5	K181K15C0GH5.H5
220		2.5 mm (0.10")	K221J15C0GH5.L2	K221K15C0GH5.L2
220		5.0 mm (0.20")	K221J15C0GH5.H5	K221K15C0GH5.H5
270		2.5 mm (0.10")	K271J15C0GH5.L2	K271K15C0GH5.L2
270		5.0 mm (0.20")	K271J15C0GH5.H5	K271K15C0GH5.H5
330		2.5 mm (0.10")	K331J15C0GH5.L2	K331K15C0GH5.L2
330		5.0 mm (0.20")	K331J15C0GH5.H5	K331K15C0GH5.H5
390		2.5 mm (0.10")	K391J15C0GH5.L2	K391K15C0GH5.L2
390		5.0 mm (0.20")	K391J15C0GH5.H5	K391K15C0GH5.H5
470	2.5 mm (0.10")	K471J15C0GH5.L2	K471K15C0GH5.L2	
470	5.0 mm (0.20")	K471J15C0GH5.H5	K471K15C0GH5.H5	
560	2.5 mm (0.10")	K561J15C0GH5.L2	K561K15C0GH5.L2	
560	5.0 mm (0.20")	K561J15C0GH5.H5	K561K15C0GH5.H5	
680	2.5 mm (0.10")	K681J15C0GH5.L2	K681K15C0GH5.L2	
680	5.0 mm (0.20")	K681J15C0GH5.H5	K681K15C0GH5.H5	
820	2.5 mm (0.10")	K821J15C0GH5.L2	K821K15C0GH5.L2	
820	5.0 mm (0.20")	K821J15C0GH5.H5	K821K15C0GH5.H5	
1000	2.5 mm (0.10")	K102J20C0GH5.L2	K102K20C0GH5.L2	
1000	5.0 mm (0.20")	K102J20C0GH5.H5	K102K20C0GH5.H5	
1200	2.5 mm (0.10")	K122J20C0GH5.L2	K122K20C0GH5.L2	
1200	5.0 mm (0.20")	K122J20C0GH5.H5	K122K20C0GH5.H5	



MONO-KAP C0G - 100 VDC CLEAR TEXT CODE				
		LEADSPACING	5 % TOLERANCE	10 % TOLERANCE
CAP (pF)	RATED VOLTAGE (Vdc)	MM (INCH-REF)	13TH DIGIT T = REEL; U = AMMO; 3 = BULK	13TH DIGIT T = REEL; U = AMMO; 3 = BULK
1500	100 Vdc	2.5 mm (0.10")	K152J20C0GH5.L2	K152K20C0GH5.L2
1500		5.0 mm (0.20")	K152J20C0GH5.H5	K152K20C0GH5.H5
1800		2.5 mm (0.10")	K182J20C0GH5.L2	K182K20C0GH5.L2
1800		5.0 mm (0.20")	K182J20C0GH5.H5	K182K20C0GH5.H5
2200		2.5 mm (0.10")	K222J20C0GH5.L2	K222K20C0GH5.L2
2200		5.0 mm (0.20")	K222J20C0GH5.H5	K222K20C0GH5.H5
2700		2.5 mm (0.10")	K272J20C0GH5.L2	K272K20C0GH5.L2
2700		5.0 mm (0.20")	K272J20C0GH5.H5	K272K20C0GH5.H5
3300		2.5 mm (0.10")	K332J20C0GH5.L2	K332K20C0GH5.L2
3300		5.0 mm (0.20")	K332J20C0GH5.H5	K332K20C0GH5.H5
3900		2.5 mm (0.10")	K392J20C0GH5.L2	K392K20C0GH5.L2
3900		5.0 mm (0.20")	K392J20C0GH5.H5	K392K20C0GH5.H5
4700		2.5 mm (0.10")	K472J20C0GH5.L2	K472K20C0GH5.L2
4700		5.0 mm (0.20")	K472J20C0GH5.H5	K472K20C0GH5.H5
5600		2.5 mm (0.10")	K562J20C0GH5.L2	K562K20C0GH5.L2
5600		5.0 mm (0.20")	K562J20C0GH5.H5	K562K20C0GH5.H5



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