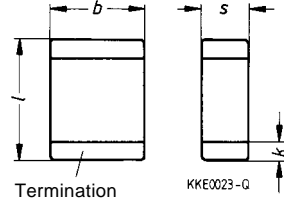


Chip capacitors (X7R)

Tape packaging in acc. with IEC 286-3:
 Sizes 0603 to 1210 in 8-mm tape
 (cardboard tape = code "60", blister tape = code "62")
 Silver/nickel/tin termination

Sizes 1812 and 2220 in 12-mm blister tape
 Silver palladium termination

Ceramic material X7R
 Rated voltage V_R 25 Vdc, 50 Vdc
 IEC climatic category 55/125/56
 Max. rel. capacitance change $\Delta C/C_{25}$ $\pm 15\%$
 Dissipation factor $\tan \delta$ $< 25 \cdot 10^{-3}$
 Insulation resistance R_{is} (at 25 °C) $> 10^5 \text{ M}\Omega$ or
 Time constant τ ($C_R \cdot R_{is}$; at 25 °C) $> 1000 \text{ s}$
 (whichever is lower)

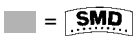


Dimensions in mm

Size	l	b	s	k^1
0603	$1,6 \pm 0,15$	$0,8 \pm 0,1$	$0,8 \pm 0,1$	0,3
0805	$2,0 \pm 0,2$	$1,25 \pm 0,15$	1,3 max.	0,5
1206	$3,2 \pm 0,2$	$1,6 \pm 0,15$	1,3 max.	0,5
1210	$3,2 \pm 0,3$	$2,5 \pm 0,3$	1,3 max.	0,5
1812	$4,5 \pm 0,3$	$3,2 \pm 0,3$	1,3 max.	0,5
2220	$5,7 \pm 0,4$	$5,0 \pm 0,4$	1,3 max.	0,5

C_R	Ordering code	Min. qty.	Max. qty.					
nF								
B37941; $V_R = 25 \text{ Vdc}$		Size 0805		Capacitance tolerance $\pm 10\%$				
68	B37941-K0683-K60	8000	40000					
100	B37941-K0104-K62	6000	30000					
B37872; $V_R = 25 \text{ Vdc}$		Size 1206		Capacitance tolerance $\pm 10\%$				
220	B37872-K0224-K62	6000	30000					

C_R	Ordering code	Min. qty.	Max. qty.					
nF								
B37931; $V_R = 50 \text{ Vdc}$		Size 0603		Capacitance tolerance $\pm 10\%$				
220 pF	B37931-K5221-K60	8000	40000					
330 pF	B37931-K5331-K60	8000	40000					
470 pF	B37931-K5471-K60	8000	40000					
680 pF	B37931-K5681-K60	8000	40000					
1,0	B37931-K5102-K60	8000	40000					
1,5	B37931-K5152-K60	8000	40000					
2,2	B37931-K5222-K60	8000	40000					
3,3	B37931-K5332-K60	8000	40000					
4,7	B37931-K5472-K60	8000	40000					
6,8	B37931-K5682-K60	8000	40000					
10	B37931-K5103-K60	8000	40000					



1) Tolerance as per CECC 32 101-801