

Multilayer Ceramic Capacitors

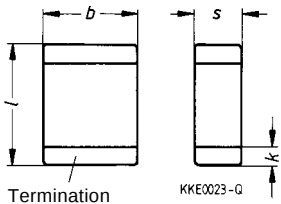


Chip capacitors (C0G)

Silver/nickel/tin termination

Tape packaging in acc. with IEC 286-3:
8-mm cardboard tape (code "60")
8-mm blister tape (code "62")

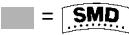
Ceramic material C0G
Rated voltage V_R 50 Vdc
IEC climatic category 55/125/56
Temperature coefficient (tolerance) $\pm 30 \cdot 10^{-6}/K$
Dissipation factor $\tan \delta < 1,0 \cdot 10^{-3}$
Insulation resistance R_{is} (at 25 °C) $> 10^5 \text{ M}\Omega$ or
Time constant τ ($C_R \cdot R_{is}$; at 25 °C) $> 1000 \text{ s}$
(whichever is lower)



Dimensions in mm

Size	l	b	s	$k^2)$
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

C_R	Cap. tolerance	Ordering code	Min. qty.	Max. qty.					
pF									
B37930; $V_R = 50 \text{ Vdc}$			Size 0603						
1,0	$\pm 0,25 \text{ pF}$	B37930-K5010-C60	8000	40000					
1,5	$\pm 0,25 \text{ pF}$	B37930-K5010-C560	8000	40000					
2,2	$\pm 0,25 \text{ pF}$	B37930-K5020-C260	8000	40000					
3,3	$\pm 0,25 \text{ pF}$	B37930-K5030-C360	8000	40000					
4,7	$\pm 0,25 \text{ pF}$	B37930-K5040-C760	8000	40000					
6,8	$\pm 0,25 \text{ pF}$	B37930-K5060-C860	8000	40000					
10	$\pm 5 \%$	B37930-K5100-J60	8000	40000					
15	$\pm 5 \%$	B37930-K5150-J60	8000	40000					
22	$\pm 5 \%$	B37930-K5220-J60	8000	40000					
33	$\pm 5 \%$	B37930-K5330-J60	8000	40000					
47	$\pm 5 \%$	B37930-K5470-J60	8000	40000					
68	$\pm 5 \%$	B37930-K5680-J60	8000	40000					
100	$\pm 5 \%$	B37930-K5101-J60	8000	40000					
150	$\pm 5 \%$	B37930-K5151-J60	8000	40000					
220	$\pm 5 \%$	B37930-K5221-J60	8000	40000					
330	$\pm 5 \%$	B37930-K5331-J60	8000	40000					
470	$\pm 5 \%$	B37930-K5471-J60	8000	40000					



1) Tolerance as per CECC 32 101-801