

professional sample kit for development and research

## CC0603 Sample Kit

-  Kondensatorsortiment  
Capacitor Designer Kit
-  Baugröße: 0603  
Component size: 0603
-  RoHS konform  
RoHS Compliance



Sortiment / sample kit

### Wesentliche Merkmale

- ◆ Bauteilgröße 0603
- ◆ Großer Wertebereich 7 Dekaden
- ◆ IEC Reihe E6
- ◆ Bauteilzahl pro Wert 50 / 100 Stk. ✓
- ◆ RoHS konform
- ◆ Praktisches Ordner Sortimentsystem

### Features

- ◆ Component size 0603
- ◆ Wide range of values 7 decades
- ◆ International standard IEC E6
- ◆ number of components / value 50 / 100 pieces ✓
- ◆ RoHS Compliance
- ◆ convenient folder - sample kit system

### Anwendungen

- ◆ Entwicklung
- ◆ Forschung
- ◆ Labor

### Applications

- ◆ Development
- ◆ Research
- ◆ Labor

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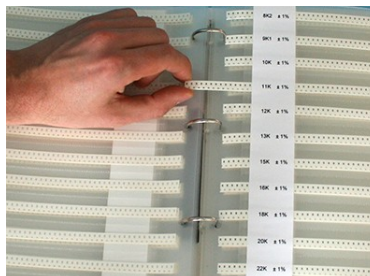
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## Foliensystem und Bauteilentnahme. Foil - system and how to take out the components.



Foliensystem / foil - system



in Benutzung / in use

## Eigenschaften des Sortiments Characteristics of the sample kit

Bezeichnung Parameter	Wert Value	Einheit Unit
Bauteilgröße Component size	0603	
Bauteiltoleranz Tolerance of the Components	Siehe Tabelle: „Sortiment Inhalt“ See table: „Sample Kit Content“	
Wertebereich Range of values	0,47pF - 2,2µF	
IEC-Reihe IEC standart	E-6	
Anzahl der Werte Number of values	39	
Bauteile pro Wert Number of parts per value	50 / 100	Stück pieces
Bauteile gesamt Number of parts in total	1950/ 3900	Stück pieces
RoHS konform RoHS Compliance	✓	
Sortimentsystem Sample kit system	A4 Ringordner A4 ring binder	
Abmessungen (L x B x H): Dimensions (l x w x h)	ca. / approx. 260 x 45 x 318	mm
Gewicht Weight	0,7 / 0,9	kg
Seitenanzahl Einschubfolie Number of foil pages	3 / 6	Stück pieces

## Sortiment Inhalt Sample Kit Content

Nr.	Wert	Dielektrikum	Spannungs- festigkeit	Toleranz	Herstellernummer (7 Zoll Bauteilrolle)
Nbr.	Value	Dielectric- material	Rated voltage	Tolerance	Ordering Code (7 inch dia. Reel)
1	0,47pF	NPO	50 Vdc	±0,25pF	CC0603CRNPO9BNR47
2	0,68pF	NPO	50 Vdc	±0,25pF	CC0603CRNPO9BNR68
3	1pF	NPO	50 Vdc	±0,25pF	CC0603CRNPO9BN1R0
4	1,5pF	NPO	50 Vdc	±0,25pF	CC0603CRNPO9BN1R5
5	2,2pF	NPO	50 Vdc	±0,25pF	CC0603CRNPO9BN2R2
6	3,3pF	NPO	50 Vdc	±0,25pF	CC0603CRNPO9BN3R3
7	4,7pF	NPO	50 Vdc	±0,25pF	CC0603CRNPO9BN4R7
8	6,8pF	NPO	50 Vdc	±0,5pF	CC0603DRNPO9BN6R8
9	10pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN100
10	15pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN150
11	22pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN220
12	33pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN330
13	47pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN470
14	68pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN680
15	100pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN101
16	150pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN151
17	220pF	NPO	50 Vdc	±5%	CC0603JRNPO9BN221
18	330pF	X7R	50 Vdc	±10%	CC0603KRX7R9BB331
19	470pF	X7R	50 Vdc	±10%	CC0603KRX7R9BB471
20	680pF	X7R	50 Vdc	±10%	CC0603KRX7R9BB681
21	1nF	X7R	50 Vdc	±10%	CC0603KRX7R9BB102
22	1,5nF	X7R	50 Vdc	±10%	CC0603KRX7R9BB152
23	2,2nF	X7R	50 Vdc	±10%	CC0603KRX7R9BB222
24	3,3nF	X7R	50 Vdc	±10%	CC0603KRX7R9BB332
25	4,7nF	X7R	50 Vdc	±10%	CC0603KRX7R9BB472
26	6,8nF	X7R	50 Vdc	±10%	CC0603KRX7R9BB682
27	10nF	X7R	50 Vdc	±10%	CC0603KRX7R9BB103
28	15nF	X7R	50 Vdc	±10%	CC0603KRX7R9BB153
29	22nF	X7R	25 Vdc	±10%	CC0603KRX7R8BB223
30	33nF	X7R	25 Vdc	±10%	CC0603KRX7R8BB333
31	47nF	X7R	25 Vdc	±10%	CC0603KRX7R8BB473
32	68nF	X7R	25 Vdc	±10%	CC0603KRX7R8BB683
33	100nF	X7R	16 Vdc	±10%	CC0603KRX7R7BB104
34	150nF	X7R	16 Vdc	±10%	CC0603KRX7R7BB154

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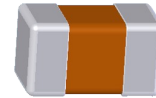


PRELIMINARY April 2008

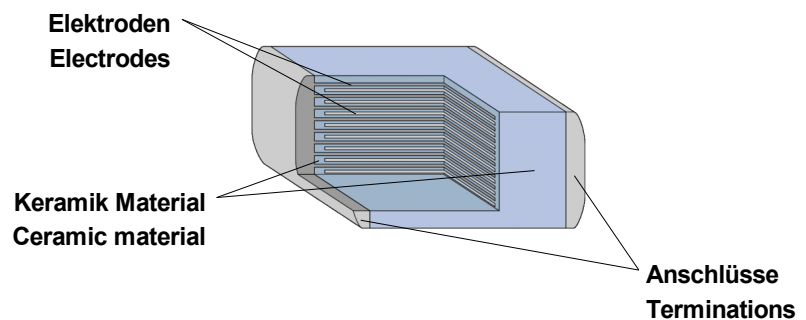
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35	220nF	X7R	16 Vdc	±10%	CC0603KRX7R7BB224
36	330nF	Y5V	16 Vdc	-20/+80%	CC0603ZRY5V7BB334
37	470nF	Y5V	16 Vdc	-20/+80%	CC0603ZRY5V7BB474
38	1µF	Y5V	16 Vdc	-20/+80%	CC0603ZRY5V7BB105
39	2,2µF	Y5V	16 Vdc	-20/+80%	CC0603ZRY5V7BB225

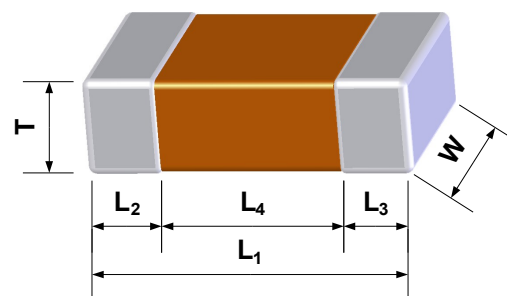
## Bauteile technische Daten<sup>1</sup> Components technical specifications<sup>1</sup>



Bezeichnung Parameter	Wert Value	Einheit Unit
Bauteilgröße Component size	0603	
Hersteller Manufacturer	YAGEO	
Bauteilserie Component series	CC0603	
Bauteiltoleranz Tolerance of the components	Siehe Tabelle: „Sortiment Inhalt“ See table: „Sample Kit Content“	



Bezeichnung Type	CC0603	Einheit Unit
L <sub>1</sub>	1,60 ±0,10	mm
W	0,80 ±0,07	mm
T	min. 0,73	mm
	max. 0,87	mm
L <sub>2</sub> / L <sub>3</sub>	min. 0,20	mm
	max. 0,50	mm
L <sub>4</sub>	min. 0,60	mm



Keramik Chip Kondensator Aufbau und Dimensionen (Quelle: Datenblatt YAGEO)  
Ceramic Chip Capacitor construction and dimension (source: datasheet YAGEO)

Für weitere Informationen über die Bauteile wir auf das Datenblatt oder die Webseite des Herstellers verwiesen.

For more informations regarding the component please see manufacturer's datasheet and/or website.

<sup>1</sup> Bitte Hinweise am Ende des Dokuments beachten.  
Important notices at the end of this datasheet.

**Published by**  
**AGL Technology GmbH**  
**55270 Jugenheim**  
**Germany**  
[www.sample-kits.com](http://www.sample-kits.com)

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