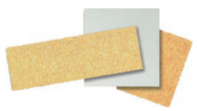
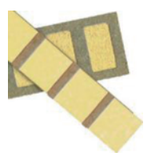
Single Layer Chip Ceramic Capacitor(SLC)

General SLC	Margin SLC	Surface Mounting SLC	Array SLC	Multi-PAD SLC
SG	SM	SS	SA	SP
				
Applications: RF, microwave and millimeter wave. **Frequency:** 100MHz ~100GHz, **Capacitance:** 0.1 ~ 10000pF	**Applications:** RF, microwave and millimeter wave. **Frequency:** 100MHz ~100GHz, **Capacitance:** 0.1 ~ 10000pF	high precision single layer series capacitor	an array consisting of multiple single-layer capacitors, suitable for multiple coupling and bypassing	multiple capacitance value, binary tunable single layer capacitor, suited for tuning design or microwave integrated circuit

Meet Standard: MIL-PRF-49464C

◆Inspection Item

Group	Item	Test Method	Test Condition
A1	Burn	-	-
A1	Capacitance	-	100%
A1	Dissipation factor(D.F.)	-	100%
A1	IR	-	100%
A1	DWV	-	100%
A3	Visual	Method 2032 of MIL-STD-883	-
B1	Bond strength	Method 2011 of MIL-STD-883	D, 5 grams minimum with .001" dia wire
B1	Die shear strength	Method 2019 of MIL-STD-883	Limit per MIL-STD-883, Figure 2019-4
B2	Temperature coefficient	-	-
C1	Immersion	Method 107,104 of MIL-STD-202	Immersion: B
C2	Resistance to solder heat	Method 210 of MIL-STD-202	310℃ for 5 seconds
C3	Humidity, steady state, low voltage	Method 103 of MIL-STD-202	Condition A
C4	Life	Method 108 of MIL-STD-202	Applied 200% rated voltage, 2000 hours

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Single Layer Chip Ceramic Capacitor

◆Product Applications

DC blocking, RF bypass, filtering, decoupling, microwave integrated circuit

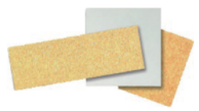
◆Product Features

Reliable performance
Small size, down to 10mil*10mil
Microwave and millimeter wave, frequency up to 100GHz
Suited for conductive adhesive, AuSn eutectic soldering, gold wire bonding

◆Part Number

SG	1010	K301	T	1R0	B	1	G
①	②	③	④	⑤	⑥	⑦	⑧
SLC	Size	Dielectric Coefficient	Metallization	Capacitance	Tolerance	Rated Voltage	Packaging

①SLC Series Capacitors

General SLC	Margin SLC	Surface Mounting SLC
SG	SM	SS
		
Applications: RF, microwave and millimeter wave. **Frequency:** 100MHz ~100GHz, **Capacitance:** 0.1 ~ 10000pF	**Applications:** RF, microwave and millimeter wave. **Frequency:** 100MHz ~100GHz, **Capacitance:** 0.1 ~ 10000pF	High precision single layer series capacitor

②Size

The first two digits represent length, the second two digits represent width, Unit: mil;
for example: 1010, length is 10mil (0.254mm), width is10mil (0.254mm).

③Dielectric Coefficient

dielectric coefficient＜10, K9R6＝9.6; dielectric coefficient ≥10, K301＝300.

Dielectric type	Dielectric constant	Temperature Coefficient Code	Temperature Coefficient	Temperature Range	Max.D.F	IR(Ω) Min@25℃
Type Ⅰ	15	COG	0±30ppm	-55～+125℃	0.15%@1MHz	10^{12}
	35	COG	0±30ppm	-55～+125℃	0.15%@1MHz	10^{12}
	85	COG	0±30ppm	-55～+125℃	0.15%@1MHz	10^{12}
	220	S3L	-3300±500ppm	-55～+125℃	0.25%@1MHz	10^{12}
	300	R3L	-2200±500ppm	-55～+125℃	0.7%@1MHz	10^{11}
	600	S3L	-3300±500ppm	-55～+125℃	1.2%@1MHz	10^{11}
	900	T3M	-4700±500ppm	-55～+125℃	1.2%@1MHz	10^{11}
Type Ⅱ	1300	X7S	±22%	-55～+125℃	4%@1kHz/1MHz	10^{11}
	1500	X7S	±22%	-55～+125℃	4%@1kHz/1MHz	10^{11}
	2500	X7R	±15%	-55～+125℃	4%@1kHz/1MHz	10^{11}
	4000	X7R	±15%	-55～+125℃	4%@1kHz/1MHz	10^{11}
	9000	Y5V	-82%～+22%	-30～+85℃	4%@1kHz/1MHz	10^{11}
Type Ⅲ	15000	X7R/X7S	±15%/±22%	-55～+125℃	2.5%@1kHz/1MHz	10^{10}
	25000	X7R/X7S	±15%/±22%	-55～+125℃	2.5%@1kHz/1MHz	10^{10}
	35000	X7R/X7S	±15%/±22%	-55～+125℃	2.5%@1kHz/1MHz	10^{10}
	45000	X7R/X7S	±15%/±22%	-55～+125℃	2.5%@1kHz/1MHz	10^{9}

④Metallization

Code	Sputter Layer		Plating Layer	
	Metal	Thickness	Metal	Thickness
M	TiW/Au	0.01～0.05/0.03～0.05	Au	≥2
P	TiW/Ni/Au	0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
T	TaN/TiW/Au	0.03～0.10/0.1～0.2/0.03～0.05	Au	≥2
F	TaN/TiW/Ni/Au	0.03～0.10/0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
H	TaN/TiW/Pt/Au	0.03～0.10/0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
D	TiW/Pt/Au	0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
E	Ti/Pt/Au	0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
X	TiW/Ni/Ag	0.01～0.05/0.1～0.2/0.10～0.20	-	-
L	frontside：Ti/Pt/Au backside：Ti/Pt	0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2

Note: please contact Dalicap for non-standard Au thickness and metallization system.

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Single Layer Chip Ceramic Capacitor

⑤Capacitance

Less than 10pF, 1R0＝1.0pF; No less than 10pF, 101＝100pF.

⑥Tolerance

Code	A	B	C	D	F	G	J	K	M	O	Z	V
Tolerance	±0.05pF	±0.1pF	±0.25pF	±0.5pF	±1%	±2%	±5%	±10%	±20%	±40%	-20%～+80%	0～+100%

⑦Rated Voltage

Code	Rated Voltage	Code	Rated Voltage
A	10	6	63
B	16	1	100
2	25	C	120
5	50		

⑧Packaging Type

W: Waffle Packaging; G: Stick Box; R: Film Ring.

◆SG/SM Series Capacitance Table

Dimension Code		1010 (.254x.254)				1212 (.305x.305)				1515 (.381x.381)				2020 (.508x.508)			
Rated voltage		16V	25V	50V	100V	16V	25V	50V	100V	16 V	25V	50V	100V	16V	25V	50V	100V
Cap.pF	Tolerance																
0.1	A	K350	K350	K350	K350	K350	K350	K350	K350								
0.3	A	K850	K850	K850	K850	K850	K850	K850	K850	K350	K350	K350	K350				
0.8	B	K301	K301	K301	K301	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850
1.0	B	K301	K301	K301	K301	K301	K301	K301	K301	K850	K850	K850	K850	K850	K850	K850	K850
2.2	C D	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301
3.3	C D	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301
4.7	C D	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K301	K301	K301	K301
6.8	C D	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601
8.2	C D	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601
10	C D	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K601	K601	K601	K601
15	J K M	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132
18	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K132	K132	K132	K132
20	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K132	K132	K132	K132
22	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K132	K132	K132	K132
33	J K M	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K252	K252	K252	K252
39	J K M	K153	K153	K153	K153	K902	K902	K902	K902	K402	K402	K402	K402	K252	K252	K252	K252
47	J K M	K153	K153	K153	K153	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402
50	J K M	K153	K153	K153	K153	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402
68	J K M	K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902	K402	K402	K402	K402
82	J K M	K253	K253	K253	K253	K153	K153	K153	K153	K902	K902	K902	K902	K402	K402	K402	K402
100	J K M	K253	K253	K253		K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902
120	J K M	K353	K353	K353		K153	K153	K153		K153	K153	K153	K153	K902	K902	K902	K902
150	J K M	K353	K353			K253	K253	K253		K153	K153	K153	K153	K153	K153	K153	K153
180	J K M	K453				K353	K353	K353		K253	K253	K253		K153	K153	K153	K153
200	J K M	K453				K353	K353			K253	K253	K253		K153	K153	K153	K153
220	J K M					K453				K253	K253	K253		K153	K153	K153	
270	J K M					K453				K353	K353	K353		K153	K153	K153	
330	J K M									K353	K353			K253	K253	K253	
390	J K M									K453				K253	K253	K253	
470	J K M													K353	K353		
560	J K M													K353	K353		
680	J K M													K453			
820	J K M																
1000	J K M																
1200	J K M																
2200	J K M																
10000		Type I Dielectric					Type II Dielectric				Type III Dielectric						

Note: 1) Different colours correspond to different Dielectrics, It is possible to change Dielectric constant.
2) Special Capacitance and rated voltage, Please contact Dalicap.

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SG /SM Series SLC

◆SG/SM Series Capacitance Table

Dimension Code		2525 (.635x.635)				3030 (.762x.762)				3535 (.889x.889)				4040 (1.016x1.016)				5050 (1.270x1.270)			
Rated voltage		16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V
Cap.pF	Tolerance																				
0.1	A																				
0.3	A																				
0.8	B	K350	K350	K350	K350	K350	K350	K350	K350												
1.0	B	K850	K850	K850	K850	K350	K350	K350	K350	K350	K350	K350	K350								
2.2	C D	K850	K850	K850	K850	K850	K850	K850	K850	K350	K350	K350	K350	K350	K350	K350	K350				
3.3	C D	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K350	K350	K350	K350
4.7	C D	K301	K301	K301	K301	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K350	K350	K350	K350
6.8	C D	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K850	K850	K850	K850	K850	K850	K850	K850
8.2	C D	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K850	K850	K850	K850	K850	K850	K850	K850
10	C D	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K850	K850	K850	K850
15	J K M	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301
18	J K M	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301
20	J K M	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301
22	J K M	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301
33	J K M	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301
39	J K M	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K301	K301	K301	K301
47	J K M	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601
50	J K M	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601
68	J K M	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601
82	J K M	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132
100	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132
120	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132
150	J K M	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K132	K132	K132	K132
180	J K M	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252
200	J K M	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252
220	J K M	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252
270	J K M	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K252	K252	K252	K252
330	J K M	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402
390	J K M	K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402
470	J K M	K253	K253	K253		K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902	K402	K402	K402	K402
560	J K M	K253	K253	K253		K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902
680	J K M	K253	K253	K253		K253	K253	K253		K153	K153	K153		K153	K153	K153	K153	K902	K902	K902	K902
1000	J K M	K353	K353			K253	K253	K253		K253	K253	K253		K153	K153	K153		K153	K153	K153	K153
1200	J K M	K453				K353	K353			K253	K253	K253		K253	K253	K253		K153	K153	K153	
1500	J K M					K453				K353	K353			K253	K253	K253		K153	K153	K153	
1800	J K M									K353	K353			K353	K353			K153	K153	K153	
2200	J K M									K453				K353				K253	K253		
10000				Type I Dielectric				Type II Dielectric				Type III Dielectric									

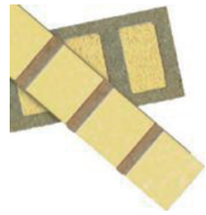
Note: 1) Different colours correspond to different Dielectrics, It is possible to change Dielectric constant.
2) Special Capacitance and rated voltage, Please contact Dalicap.

◆SS Series Capacitance Table

Dimension Code		2010 (.508x.254)				4020 (1.016x.508)				6030 (1.524x.762)				8040 (2.032x.1.016)			
Rated voltage		16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V
Cap.pF	Tolerance																
0.1	A	K850	K850	K850	K850	K350	K350	K350	K350								
0.3	A	K301	K301	K301	K301	K350	K350	K350	K350	K350	K350	K350	K350				
0.8	B	K601	K601	K601	K601	K850	K850	K850	K850	K350	K350	K350	K350	K350	K350	K350	K350
1.0	B	K601	K601	K601	K601	K301	K301	K301	K301	K850	K850	K850	K850	K350	K350	K350	K350
2.2	C D	K132	K132	K132	K132	K301	K301	K301	K301	K850	K850	K850	K850	K850	K850	K850	K850
3.3		K252	K252	K252	K252	K601	K601	K601	K601	K301	K301	K301	K301	K850	K850	K850	K850
4.7		K402	K402	K402	K402	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301
6.8		K402	K402	K402	K402	K132	K132	K132	K132	K601	K601	K601	K601	K301	K301	K301	K301
8.2		K402	K402	K402	K402	K132	K132	K132	K132	K601	K601	K601	K601	K301	K301	K301	K301
10		K402	K402	K402	K402	K132	K132	K132	K132	K601	K601	K601	K601	K301	K301	K301	K301
15	J K M	K902	K902	K902	K902	K252	K252	K252	K252	K132	K132	K132	K132	K601	K601	K601	K601
18		K902	K902	K902	K902	K252	K252	K252	K252	K132	K132	K132	K132	K601	K601	K601	K601
20		K153	K153	K153	K153	K252	K252	K252	K252	K132	K132	K132	K132	K601	K601	K601	K601
22		K153	K153	K153	K153	K402	K402	K402	K402	K132	K132	K132	K132	K132	K132	K132	K132
33		K253	K253	K253		K402	K402	K402	K402	K252	K252	K252	K252	K132	K132	K132	K132
39		K253	K253	K253		K402	K402	K402	K402	K252	K252	K252	K252	K132	K132	K132	K132
47		K353	K353			K902	K902	K902	K902	K402	K402	K402	K402	K252	K252	K252	K252
50		K353	K353			K902	K902	K902	K902	K402	K402	K402	K402	K252	K252	K252	K252
68		K453				K902	K902	K902	K902	K402	K402	K402	K402	K252	K252	K252	K252
82						K153	K153	K153	K153	K402	K402	K402	K402	K402	K402	K402	K402
100						K153	K153	K153	K153	K402	K402	K402	K402	K252	K252	K252	K252
120						K153	K153	K153	K153	K902	K902	K902	K902	K402	K402	K402	K402
150						K253	K253	K253	K253	K902	K902	K902	K902	K402	K402	K402	K402
180						K253	K253	K253	K253	K153	K153	K153	K153	K902	K902	K902	K902
200						K353	K353	K353		K153	K153	K153	K153	K902	K902	K902	K902
220						K353	K353	K353		K153	K153	K153	K153	K902	K902	K902	K902
270						K453	K453			K153	K153	K153	K153	K153	K153	K153	K153
330						K453				K253	K253	K253	K253	K153	K153	K153	K153
390										K253	K253	K253		K153	K153	K153	K153
470										K353	K353	K353		K153	K153	K153	K153
560										K353	K353			K253	K253	K253	K253
680										K453				K253	K253	K253	
820														K353	K353	K353	
1000														K353	K353		
1200														K453			
10000				Type I Dielectric				Type II Dielectric				Type III Dielectric					

Note: 1) Different colours correspond to different Dielectrics , It is possible to change Dielectric constant.
2) Special Capacitance and rated voltage, Please contact Dalicap.

SA Series Array SLC



◆Product Application

DC blocking, RF bypass, filtering, decoupling,
microwave integrated circuit

◆Product Feature

Integrated design for saving space and simplied assembling
The total size is theoretically minimum 20mils×10 mils

◆Part Number

SA	1010	K301	T	1R0	B	1	G	6
①	②	③	④	⑤	⑥	⑦	⑧	⑨
Array SLC	Size	Dielectric Coefficient	Metallization	Capacitance	Tolerance	Rated Voltage	Packaging	Capacitor Quantity

①SLC Series Capacitors

SA Series Array SLC

②Size

The first two digits represent length, the second two digits represent width, Unit: mil;
for example: 1010, length is 10mil (0.254mm), width is10mil (0.254mm)

③Dielectric Coefficient

dielectric coefficient＜10, K9R6＝9.6; dielectric coefficient ≥10, K301＝300.

Dielectric type	Dielectric constant	Temperature Coefficient Code	Temperature Coefficient	Temperature Range	Max.D.F	IR(Ω) Min@25℃
Type Ⅰ	15	COG	0±30ppm	-55～+125℃	0.15%@1MHz	10^{12}
	35	COG	0±30ppm	-55～+125℃	0.15%@1MHz	10^{12}
	85	COG	0±30ppm	-55～+125℃	0.15%@1MHz	10^{12}
	220	S3L	-3300±500ppm	-55～+125℃	0.25%@1MHz	10^{12}
	300	R3L	-2200±500ppm	-55～+125℃	0.7%@1MHz	10^{11}
	600	S3L	-3300±500ppm	-55～+125℃	1.2%@1MHz	10^{11}
	900	T3M	-4700±500ppm	-55～+125℃	1.2%@1MHz	10^{11}
Type Ⅱ	1300	X7S	±22%	-55～+125℃	4%@1kHz/1MHz	10^{11}
	1500	X7S	±22%	-55～+125℃	4%@1kHz/1MHz	10^{11}
	2500	X7R	±15%	-55～+125℃	4%@1kHz/1MHz	10^{11}
	4000	X7R	±15%	-55～+125℃	4%@1kHz/1MHz	10^{11}
	9000	Y5V	-82%～+22%	-30～+85℃	4%@1kHz/1MHz	10^{11}
Type Ⅲ	15000	X7R/X7S	±15%/±22%	-55～+125℃	2.5%@1kHz/1MHz	10^{10}
	25000	X7R/X7S	±15%/±22%	-55～+125℃	2.5%@1kHz/1MHz	10^{10}
	35000	X7R/X7S	±15%/±22%	-55～+125℃	2.5%@1kHz/1MHz	10^{10}
	45000	X7R/X7S	±15%/±22%	-55～+125℃	2.5%@1kHz/1MHz	10^{9}

④Metallization

Code	Sputter Layer		Plating Layer	
	Metal	Thickness	Metal	Thickness
M	TiW/Au	0.01～0.05/0.03～0.05	Au	≥2
P	TiW/Ni/Au	0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
T	TaN/TiW/Au	0.03～0.10/0.1～0.2/0.03～0.05	Au	≥2
F	TaN/TiW/Ni/Au	0.03～0.10/0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
H	TaN/TiW/Pt/Au	0.03～0.10/0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
D	TiW/Pt/Au	0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
E	Ti/Pt/Au	0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2
X	TiW/Ni/Ag	0.01～0.05/0.1～0.2/0.10～0.20	-	-
L	frontside：Ti/Pt/Au backside：Ti/Pt	0.01～0.05/0.1～0.2/0.03～0.05	Au	≥2

Note: please contact Dalicp for non-standard Au thickness and metallization system.

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SA Series Array SLC

⑤Capacitance

Less than 10pF, 1R0＝1.0pF; No less than 10pF, 101＝100pF.

⑥Tolerance

Code	A	B	C	D	F	G	J	K	M	O	Z	V
Tolerance	±0.05pF	±0.1pF	±0.25pF	±0.5pF	±1%	±2%	±5%	±10%	±20%	±40%	-20%～+80%	0～+100%

⑦Rated Voltage

Code	Rated Voltage	Code	Rated Voltage
A	10	6	63
B	16	1	100
2	25	C	120
5	50		

⑧Packaging Type

W: Waffle Packaging; G: Stick Box; R: Film Ring.

⑨Capacitor Quantity

Capacitor quantity

◆SA Series Array SLC

Dimension Code		1010 (.254x.254)				1212 (.305x.305)				1515 (.381x.381)				2020 (.508x.508)				2525 (.635x.635)			
Rated voltage		16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V
Cap.pF	Tolerance																				
0.1	A	K350	K350	K350	K350	K350	K350	K350	K350												
0.3	A	K850	K850	K850	K850	K850	K850	K850	K850	K350	K350	K350	K350								
0.8	B	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K350	K350	K350	K350
1.0	B	K301	K301	K301	K301	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850
2.2	C D	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K850	K850	K850	K850
3.3	C D	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301
4.7	C D	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301
6.8	C D	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601
8.2	C D	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601
10	C D	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601
15	J K M	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132
18	J K M	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132
20	J K M	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132
22	J K M	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132
33	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252
39	J K M	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252
47	J K M	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252
50	J K M	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402
68	J K M	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402
82	J K M	K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402
100	J K M	K153	K153	K153		K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902
120	J K M	K153	K153	K153		K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902
150	J K M	K253	K253	K253		K253	K253	K253		K153	K153	K153	K153	K153	K153	K153	K153	K902	K902	K902	K902
180	J K M	K253	K253	K253		K253	K253	K253		K153	K153	K153		K153	K153	K153	K153	K153	K153	K153	K153
200	J K M	K353	K353			K253	K253	K253		K253	K253	K253		K153	K153	K153	K153	K153	K153	K153	K153
220	J K M	K353	K353			K353	K353			K253	K253	K253		K153	K153	K153		K153	K153	K153	K153
270	J K M	K453				K353	K353			K253	K253	K253		K253	K253	K253		K153	K153	K153	
330	J K M					K453				K353	K353			K253	K253	K253		K253	K253	K253	
390	J K M									K453				K353	K353	K353		K253	K253	K253	
470	J K M									K453				K353	K353			K253	K253	K253	
560	J K M													K453				K353	K353		
680	J K M																	K453			
1000	J K M																				
1200	J K M																				
1500	J K M																				
1800	J K M																				
2200	J K M																				
10000				Type Ⅰ Dielectric				Type Ⅱ Dielectric				Type Ⅲ Dielectric									

Note: 1) Different colours correspond to different Dielectrics, It is possible to change Dielectric constant.
2) Special Capacitance and rated voltage, Please contact Dalicap.

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SA Series Array SLC

◆SA Series Array SLC

Dimension Code		3030 (.762x.762)				3535 (.889x.889)				4040 (1.016x1.016)				5050 (1.27x1.27)				7070 (1.78x1.78)			
Rated voltage		16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V	16V	25V	50V	100V
Cap.pF	Tolerance																				
0.1	A																				
0.3	A																				
0.8	B	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350				
1.0	B	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350	K350
2.2	C D	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K850	K350	K350	K350	K350
3.3	C D	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K850	K850	K850	K850	K850	K850	K850	K850
4.7	C D	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K850	K850	K850	K850
6.8	C D	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301
8.2	C D	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301
10	C D	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301	K301
15	J K M	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K301	K301	K301	K301
18	J K M	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601
20	J K M	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601	K601
22	J K M	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K601	K601	K601	K601	K601	K601	K601	K601
33	J K M	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132
39	J K M	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132	K132
47	J K M	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132
50	J K M	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132	K132	K132	K132	K132
68	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252	K132	K132	K132	K132
82	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252	K252	K252	K252	K252
100	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252
120	J K M	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K252	K252	K252	K252
150	J K M	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402	K402
180	J K M	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402
200	J K M	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402	K402	K402	K402	K402
220	J K M	K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402
270	J K M	K153	K153	K153		K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902	K402	K402	K402	K402
330	J K M	K153	K153	K153		K153	K153	K153		K153	K153	K153	K153	K902	K902	K902	K902	K902	K902	K902	K902
390	J K M	K253	K253	K253		K153	K153	K153		K153	K153	K153		K153	K153	K153	K153	K902	K902	K902	K902
470	J K M	K253	K253	K253		K253	K253	K253		K153	K153	K153		K153	K153	K153		K153	K153	K153	K153
560	J K M	K253	K253	K253		K253	K253	K253		K253	K253	K253		K153	K153	K153		K153	K153	K153	
680	J K M	K353	K353			K353	K353			K253	K253	K253		K253	K253	K253		K153	K153	K153	
1000	J K M	K453				K453				K353	K353			K353	K353	K353		K253	K253	K253	
1200	J K M									K453				K353	K353			K253	K253	K253	
1500	J K M													K453				K353	K353		
1800	J K M																	K453			
2200	J K M																				
10000				Type Ⅰ Dielectric				Type Ⅱ Dielectric				Type Ⅲ Dielectric									

Note: 1) Different colours correspond to different Dielectrics, It is possible to change Dielectric constant.
2) Special Capacitance and rated voltage, Please contact Dalicap.

SP Series Multi-Pad SLC

◆Product Applications

Matching networks, parallel resonance circuits, dielectric resonator tuning & coupling.

◆Product Features

Small geometric size is suitable for microwave circuit and is good for circuit design and adjustment
SP Array SLC is mainly customized according to customer drawings and requirements;
Maximum overall size:10×10mm;
Minimum overall size:0.3×0.3mm;
Minimum machining gap:50μm,
Thickness:0.15～0.25mm.

◆Part Number

SP	1010	K301	T	1R0	B	1	G	6
①	②	③	④	⑤	⑥	⑦	⑧	⑨
Multi-PAD SLC	Size	Dielectric Coefficient	Metallization	Capacitance	Tolerance	Rated Voltage	Packaging	Capacitor Quantity