

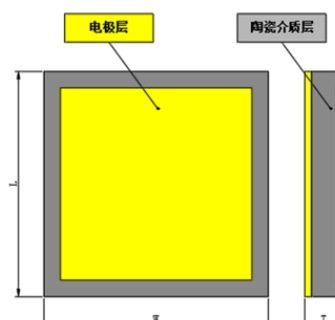
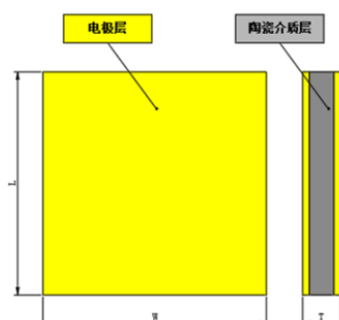
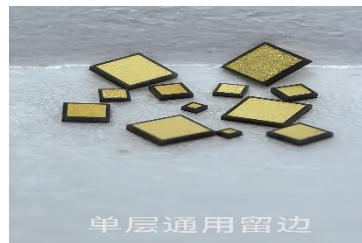
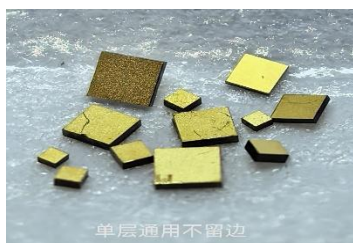
General-Purpose Microwave Ceramic Chip Capacitors

I. Applications

Mainly used in microwave integrated circuits (MICs) for DC blocking, RF bypass, source bypass, and impedance matching.

II. Features

- Small size and high capacitance;
- Excellent microwave performance; applicable frequency: DC to 100 GHz;
- Surface gold electrodes, suitable for gold-wire and gold-ribbon bonding.



General-purpose structure and size codes:

structure and size code	outline dimensions (mm)			
	L	W	B	T
SG10	0.254±0.076	0.254±0.076	0.025±0.010	0.102~0.254
SG15	0.381±0.076	0.381±0.076	0.050±0.025	
SG20	0.508±0.076	0.508±0.076		
SG25	0.635±0.076	0.635±0.076		
SG30	0.762±0.076	0.762±0.076		
SG35	0.889±0.076	0.889±0.076		
SG40	1.016±0.076	1.016±0.076		
SG50	1.27±0.076	1.27±0.076		
SG70	1.78±0.127	1.78±0.127		
SG90	2.29±0.127	2.29±0.127		

General-purpose capacitor capacitance selection table:

dimensions (mil) capacitance (pF)		10	15	20	25	30	35	40	50	70	90
0R1	0.1										
...	...										
120	12										
150	15										
180	18										
200	20										
240	24										
270	27										
300	30										
330	33										
390	39										
430	43										
470	47										
510	51										
560	56										
680	68										
820	82										
101	100										
121	120										
151	150										
181	180										
201	200										
241	240										
271	270										
301	300										
331	330										
391	390										
471	470										
681	680										
821	820										
102	1000										
152	1500										
202	2000										
302	3000										
392	3900										
472	4700										
682	6800										
103	10000										

Remarks: the marks indicate rated voltages of 100 V, 50 V, 25 V, and 16 V