

芯片电容（单层电容）  
Chip Capacitor (Single Layer Capacitor)

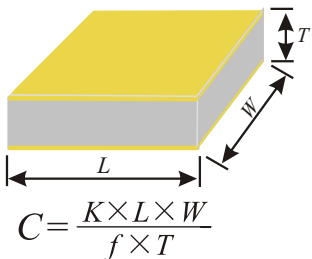
1、技术参数一览表 Performance Table

| 尺寸<br>容值<br>Capacitance | 15*15mil<br>(0.38*0.38mm) | 20*20mil<br>(0.51*0.51mm) | 25*25mil<br>(0.64*0.64mm) | 30*30mil<br>(0.76*0.76mm) | 35*35mil<br>(0.89*0.89mm) | 90*90mil<br>(2.29*2.29mm) |
|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 3.0 pF                  | C1515K3R0M                |                           |                           |                           |                           |                           |
| 3.6 pF                  | C1515K3R6M                |                           |                           |                           |                           |                           |
| 14.0 pF                 |                           | C2020K140M                |                           |                           |                           |                           |
| 20.0 pF                 |                           |                           | C2525K200M                |                           |                           |                           |
| 22.0 pF                 | C1515K220M                |                           |                           | C3030K220M                |                           |                           |
| 30.0 pF                 |                           |                           |                           | C3030K300M                |                           |                           |
| 33.0 pF                 | C1515K330M                |                           |                           |                           |                           |                           |
| 39.0 pF                 | C1515K390M                |                           |                           |                           |                           |                           |
| 75.0 pF                 |                           | C2020K750M                |                           |                           |                           |                           |
| 100 pF                  | C1515K101M                |                           | C2525K101M                | C3030K101M                |                           |                           |
| 220 pF                  |                           | C2020K221M                |                           |                           |                           |                           |
| 330 pF                  |                           | C2020K331M                |                           |                           |                           |                           |
| 470 pF                  |                           |                           | C2525K471M                |                           |                           |                           |
| 1, 000 pF               |                           |                           |                           |                           | C3535K102M                |                           |
| 10, 000 pF              |                           |                           |                           |                           |                           | C9090K103M                |



1、以上产品容值公差等级均为M级（±20%）。The above SLC capacitance tolerance is M Level (±20%).  
2、产品厚度为0.152mm, 0.178mm, 0.254mm。The thickness size is 0.006", 0.007", 0.010".

2、容量的换算 Capacitance Conversion



C: 容量 Capacitance  
K: 介电常数 Dielectric Constant  
L: 长度 Length  
W: 宽度 Width  
T: 厚度 Thickness  
f: 换算因子 Conversion Factor  
mm, f=113.1; inch, f=4.452



3、导体层的选择 Metal Electrode Choice

| 金属结构<br>Metal Construction | 金属层厚度<br>Layer Thickness                  | 适用焊接工艺<br>Applicable Scope    |
|----------------------------|-------------------------------------------|-------------------------------|
| 钛钨-镍-金<br>TiW-Ni-Au        | TiW: 0.8 um<br>Ni: 1~2 um<br>Au: >2.54 um | SMT/手工焊<br>SMT / Hand Welding |
| 钛钨-金<br>TiW-Au             | TiW: 0.8 um<br>Au: >2.54 um               | 微组装（金丝绑定）<br>Wire Bonding     |