


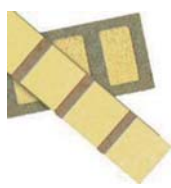



Single Layer Chip Ceramic Capacitor(SLC)

| General SLC | Margin SLC | Surface Mounting SLC | Array SLC | Multi-PAD SLC |
|---|---|---|--|--|
| SG | SM | SS | SA | SP |
|  |  |  |  |  |
| <p>Applications: DC blocking, RF By pass, Filter and Tuning. Frequency: 100MHz to 100GHz, Capacitance: 0.05 to 10000pF</p> | <p>Applications: DC blocking, RF By pass, Filter and Tuning. Frequency: 100MHz to 100GHz, Capacitance: 0.05 to 10000pF</p> | <p>High Accuracy, Elimination of wirebond.</p> | <p>Capacitor Array, Suited for Decoupling, DC blocking for GaAsIC's.</p> | <p>Binary Tunable capacitors, Suited for Matching Networks, Tank Circuits, Dielectric resonator tuning/coupling.</p> |

◆ Inspection Item

| Group | Item | Test Method | Test Condition |
|-------|-------------------------------------|-------------------------------|--|
| A1 | Burn in | - | 200% Rated voltage, 95~100 hours |
| A1 | Capacitance | - | - |
| A1 | Dissipation Factor(D.F.) | - | - |
| A1 | IR | - | - |
| A1 | DWV | - | - |
| A3 | Visual | Method 2032 of MIL-STD-883 | - |
| A4 | Solderability | Method 2022 of MIL-STD-883 | - |
| B1 | Bond Strength | Method 2011 of MIL-STD-883 | D, 3 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 | Thermal Shock and Immersion | Method 108,104 of MIL-STD-202 | Thermal shock: A; Immersion: B |
| C2 | Resistance to Solder Heat | Method 210 of MIL-STD-202 | C, 260°C for 20 seconds. |
| C2 | Moisture Resistance | Method 106 of MIL-STD-202 | - |
| C4 | Life | Method 108 of MIL-STD-202 | Applied 200% rated voltage, 2000Hous. |
| C3 | Humidity, steady state, low voltage | Method 103 of MIL-STD-202 | Condition A. |

◆ Product Features

Suited for AuSn Eutectic Soldering, Gold Wire Bonding, Conducting Resin.

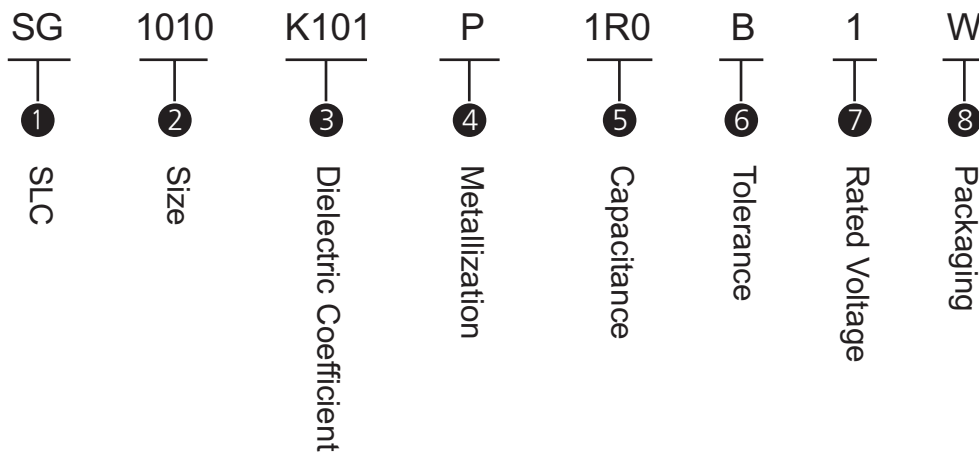
EDS Proof, RoHs compliant, Frequency up to 100GHz.

Rated voltage up to 100VDC. Capacitance: 0.04~10000pF.

◆ Product Applications

DC Blocking, RF Bypass, Filter, and Tuning.

◆ Part Number



① SLC Series Capacitors

| SG | SM | SS | SA | SP |
|-------------|------------|----------------------|-----------|---------------|
| General SLC | Margin SLC | Surface Mounting SLC | Array SLC | Multi-PAD SLC |

② Size

The first two digits is length, The second two digits is width, Unit: mil;

For example: 1010, Length is 10mil (0.254mm), Width is 10mil (0.254mm).

③ Dielectric Coefficient

Dielectric Coefficient < 10, K6R6=6.6; Dielectric Coefficient ≥ 10, K101=100.

| Dielectric Kind | Dielectric Constant | Temperature Coefficient | Temperature Range | Max. D. F | I.R. Min@ 25°C |
|-----------------|---------------------|-------------------------|-------------------|-------------|------------------|
| I Type | 3.8 | 0 ± 15ppm | -55 ~ 125°C | 0.01%@10GHz | 10 ¹² |
| | 3.9 | 0 ± 15ppm | -55 ~ 125°C | 0.01%@10GHz | 10 ¹² |
| | 6.6 | 0 ± 15ppm | -55 ~ 125°C | 0.01%@10GHz | 10 ¹² |
| | 8.7 | +120 ± 25ppm | -55 ~ 125°C | 0.01%@10GHz | 10 ¹² |
| | 9.6 | +180 ± 50ppm | -55 ~ 125°C | 0.06%@10GHz | 10 ¹² |
| | 9.8 | +180 ± 50ppm | -55 ~ 125°C | 0.06%@10GHz | 10 ¹² |
| | 12.6 | 0 ± 30ppm | -55 ~ 125°C | 0.01%@10GHz | 10 ¹² |
| | 20 | 0 ± 30ppm | -55 ~ 125°C | 0.10%@10GHz | 10 ¹² |
| | 40 | 0 ± 30ppm | -55 ~ 125°C | 0.20%@10GHz | 10 ¹² |
| | 50 | 0 ± 30ppm | -55 ~ 125°C | 0.50%@10GHz | 10 ¹² |
| | 84 | 0 ± 30ppm | -55 ~ 125°C | 0.50%@10GHz | 10 ¹⁰ |
| II Type | 150 | -1500 ± 400ppm | -55 ~ 125°C | 0.25%@10GHz | 10 ¹² |
| | 300 | +5% ~ -10% | -55 ~ 125°C | 1.00%@1MHz | 10 ¹¹ |
| | 1100 | +10% ~ -10% | -55 ~ 125°C | 1.50%@1MHz | 10 ¹¹ |
| | 2200 | +3% ~ -10% | -55 ~ 125°C | 1.50%@1MHz | 10 ¹¹ |
| | 4000 | 0% ~ -35% | -55 ~ 125°C | 2.00%@1MHz | 10 ¹¹ |
| | 5000 | 0% ~ -60% | -55 ~ 125°C | 2.50%@1MHz | 10 ¹¹ |
| | 11000 | 0% ~ -80% | -55 ~ 125°C | 2.50%@1MHz | 10 ¹¹ |
| | 25000 | ± 15% | -55 ~ 125°C | 3.50%@1MHz | - |
| 35000 | ± 15% | -55 ~ 125°C | 3.50%@1MHz | - | |

④ Metallization

| Code | Sputter Layer | | Plating Layer | |
|------|---------------|--|---------------|-----------|
| | Metal | Thickness | Metal | Thickness |
| M | TiW/Au | 300Å ~ 1000Å / 300Å ~ 500Å | Au | ≥ 2.5m |
| P | TiW/Ni/Au | 300Å ~ 1000Å / 0.2m ~ 0.6m / 300 Å ~ 500 Å | Au | ≥ 2.5m |

⑤ Capacitance

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

⑥ Tolerance

| Code | P | A | B | C | D | F | G | K | M |
|-----------|----------|----------|---------|----------|---------|------|------|-------|-------|
| Tolerance | ± 0.01pF | ± 0.05pF | ± 0.1pF | ± 0.25pF | ± 0.5pF | ± 1% | ± 2% | ± 10% | ± 20% |

⑦ Rated Voltage

| Code | Rated Voltage(V) | Code | Rated Voltage(V) |
|------|------------------|------|------------------|
| B | 16 | 2 | 25 |
| 5 | 50 | 1 | 100 |

⑧ Packaging Type

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

◆SG Series Capacitance Table

WVDC(Rated voltage) Unit: V

| Cap.pF | Size(inch/millimeter) | | | | | | | | | | | | | | | | | |
|--------|-----------------------|------|-----------------------|------|-----------------------|------|-----------------------|------|-----------------------|------|-----------------------|------|-----------------------|------|-------------------------|------|-------------------------|------|
| | 1010 (.254 × .254) | | 1212 (.305 × .305) | | 1515 (.381 × .381) | | 2020 (.508 × .508) | | 2525 (.635 × .635) | | 3030 (.762 × .762) | | 3535 (.889 × .889) | | 4040 (1.016 × 1.016) | | 5050 (1.270 × 1.270) | |
| | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC |
| 0.04 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | | | | | | | | | | | | |
| 0.06 | 9.6 | 50 | 9.6 | 50 | 9.6 | 100 | 3.8 | 50 | 3.8 | 100 | | | | | | | | |
| 0.08 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | 3.8 | 1000 | 3.8 | 100 | | | | | | |
| 0.1 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 3.8 | 50 | 3.8 | 100 | 3.8 | 100 | | | | |
| 0.2 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | 3.8 | 50 | 3.8 | 100 | 3.8 | 100 |
| 0.3 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | 3.8 | 50 | 3.8 | 100 |
| 0.4 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | 3.8 | 50 |
| 0.5 | 84 | 50 | 84 | 50 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 50 | 9.6 | 100 | 3.8 | 50 |
| 0.6 | 150 | 100 | 84 | 50 | 84 | 100 | 40 | 100 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 |
| 0.8 | 300 | 100 | 150 | 100 | 84 | 50 | 40 | 50 | 40 | 100 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 |
| 1.0 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 100 | 40 | 100 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 50 |
| 1.2 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 50 |
| 1.5 | 300 | 50 | 300 | 100 | 150 | 50 | 84 | 50 | 40 | 50 | 40 | 100 | 40 | 100 | 40 | 100 | 9.6 | 50 |
| 1.8 | 300 | 50 | 300 | 50 | 150 | 50 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 | 40 | 100 |
| 2.0 | 300 | 50 | 300 | 50 | 150 | 50 | 150 | 100 | 84 | 100 | 40 | 50 | 40 | 50 | 40 | 100 | 40 | 400 |
| 2.2 | 1100 | 50 | 300 | 50 | 150 | 50 | 150 | 100 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 |
| 2.7 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 50 | 40 | 100 |
| 3.3 | 1100 | 100 | 1100 | 100 | 300 | 50 | 150 | 50 | 150 | 100 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 |
| 3.9 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 100 | 84 | 100 | 40 | 100 |
| 4.7 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 100 | 150 | 50 | 150 | 100 | 84 | 50 | 84 | 100 | 40 | 50 |
| 5.6 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 50 | 40 | 50 |
| 6.8 | 1100 | 50 | 1100 | 50 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 150 | 100 | 84 | 50 | 84 | 100 |
| 8.2 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 300 | 50 | 300 | 50 | 150 | 50 | 150 | 50 | 150 | 100 | 150 | 100 |
| 10 | 2200 | 50 | 1100 | 50 | 1100 | 50 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 150 | 50 | 150 | 100 |
| 12 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 150 | 100 |
| 15 | 4000 | 100 | 2200 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 300 | 100 | 150 | 100 |
| 18 | 4000 | 50 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 |
| 20 | 4000 | 50 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 50 | 150 | 50 |
| 22 | 4000 | 50 | 4000 | 100 | 2200 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 50 | 150 | 50 |
| 27 | 4000 | 50 | 4000 | 50 | 2200 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 50 | 300 | 100 |
| 33 | 5000 | 50 | 4000 | 50 | 4000 | 100 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 50 |
| 39 | 11000 | 100 | 4000 | 50 | 4000 | 50 | 2200 | 50 | 1100 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 |
| 47 | 11000 | 50 | 11000 | 100 | 4000 | 50 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 |
| 56 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 4000 | 100 | 2200 | 50 | 1100 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 |
| 68 | 11000 | 50 | 11000 | 50 | 5000 | 50 | 4000 | 100 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 |
| 82 | 25000 | 50 | 11000 | 50 | 11000 | 100 | 5000 | 100 | 2200 | 50 | 2200 | 50 | 2200 | 100 | 2200 | 100 | 1100 | 100 |
| 100 | 25000 | 25 | 25000 | 50 | 11000 | 100 | 5000 | 50 | 4000 | 100 | 2200 | 50 | 2200 | 100 | 2200 | 100 | 1100 | 100 |
| 120 | 25000 | 25 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 5000 | 100 | 2200 | 50 | 2200 | 50 | 2200 | 100 | 1100 | 50 |
| 150 | 25000 | 16 | 25000 | 16 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 100 | 2200 | 50 | 2200 | 50 | 1100 | 50 |
| 180 | 35000 | 16 | 25000 | 16 | 25000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 100 | 5000 | 100 | 4000 | 100 | 2200 | 100 |
| 200 | 35000 | 16 | 25000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 100 | 4000 | 100 | 2200 | 100 |
| 220 | 35000 | 16 | 35000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 100 | 4000 | 100 | 2200 | 100 |
| 270 | | | 35000 | 16 | 25000 | 16 | 25000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 50 | 4000 | 50 | 2200 | 50 |
| 330 | | | | | 25000 | 16 | 25000 | 50 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 4000 | 50 | 4000 | 100 |
| 390 | | | | | 35000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 11000 | 100 | 11000 | 100 | 4000 | 100 |
| 470 | | | | | 35000 | 16 | 25000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 11000 | 100 | 4000 | 50 |
| 560 | | | | | | | 25000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 50 | 11000 | 100 | 4000 | 50 |
| 680 | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 50 | 11000 | 50 | 11000 | 100 | 5000 | 50 |
| 820 | | | | | | | 35000 | 16 | 35000 | 25 | 25000 | 25 | 11000 | 50 | 11000 | 50 | 11000 | 100 |
| 1000 | | | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 50 | 11000 | 50 | 11000 | 100 |
| 1200 | | | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 25 | 25000 | 25 | 11000 | 20 |
| 1500 | | | | | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 25 | 11000 | 50 |
| 1800 | | | | | | | | | | | 35000 | 16 | 35000 | 16 | 25000 | 16 | 25000 | 50 |
| 2200 | | | | | | | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 25 |
| 2700 | | | | | | | | | | | | | 35000 | 16 | 35000 | 16 | 25000 | 16 |
| 3300 | | | | | | | | | | | | | | | | | 35000 | 25 |

I Type Dielectric

II Type Dielectric

◆SS Series Capacitance Table

WVDC(Rated voltage) Unit: V

| Cap.pF | Size(inch/millimeter) | | | | | | | |
|--------|-----------------------------------|------|-------------------------------------|------|-------------------------------------|------|--------------------------------------|------|
| | 2010 (.508 × .254) 5mil Gap | | 4020 (1.016 × .508) 10mil Gap | | 6030 (1.524 × .762) 10mil Gap | | 8040 (2.032 × 1.016) 20mil Gap | |
| | K | WVDC | K | WVDC | K | WVDC | K | WVDC |
| 0.06 | 40 | 100 | 9.6 | 100 | 3.8 | 100 | 3.8 | 100 |
| 0.08 | 40 | 50 | 9.6 | 50 | 3.8 | 50 | 3.8 | 100 |
| 0.1 | 84 | 100 | 40 | 100 | 9.6 | 100 | 3.8 | 50 |
| 0.2 | 150 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 |
| 0.3 | 300 | 100 | 40 | 50 | 40 | 100 | 9.6 | 50 |
| 0.4 | 300 | 100 | 84 | 100 | 40 | 100 | 40 | 100 |
| 0.5 | 300 | 50 | 84 | 100 | 40 | 100 | 40 | 100 |
| 0.6 | 300 | 50 | 84 | 50 | 40 | 100 | 40 | 100 |
| 0.8 | 1100 | 100 | 150 | 100 | 40 | 50 | 40 | 100 |
| 1.0 | 1100 | 100 | 150 | 50 | 84 | 100 | 40 | 100 |
| 1.2 | 1100 | 100 | 150 | 50 | 84 | 100 | 40 | 50 |
| 1.5 | 1100 | 100 | 300 | 100 | 84 | 50 | 84 | 100 |
| 1.8 | 1100 | 50 | 300 | 100 | 84 | 50 | 84 | 100 |
| 2.0 | 1100 | 50 | 300 | 50 | 84 | 50 | 84 | 100 |
| 2.2 | 1100 | 50 | 300 | 50 | 150 | 100 | 84 | 50 |
| 2.7 | 2200 | 100 | 300 | 50 | 150 | 50 | 84 | 50 |
| 3.3 | 2200 | 100 | 1100 | 100 | 150 | 50 | 150 | 100 |
| 3.9 | 2200 | 50 | 1100 | 100 | 300 | 100 | 150 | 50 |
| 4.7 | 2200 | 50 | 1100 | 100 | 300 | 50 | 150 | 50 |
| 5.6 | 4000 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 |
| 6.8 | 4000 | 50 | 1100 | 50 | 300 | 50 | 300 | 100 |
| 8.2 | 5000 | 50 | 1100 | 50 | 1100 | 100 | 300 | 50 |
| 10 | 5000 | 50 | 2200 | 100 | 1100 | 100 | 300 | 50 |
| 12 | 11000 | 100 | 2200 | 100 | 1100 | 100 | 1100 | 100 |
| 15 | 11000 | 100 | 2200 | 50 | 1100 | 100 | 1100 | 100 |
| 18 | 11000 | 50 | 2200 | 50 | 1100 | 50 | 1100 | 100 |
| 20 | 11000 | 50 | 4000 | 100 | 1100 | 50 | 1100 | 100 |
| 22 | 11000 | 50 | 4000 | 100 | 1100 | 50 | 1100 | 100 |
| 27 | 25000 | 50 | 4000 | 50 | 2200 | 100 | 1100 | 50 |
| 33 | 25000 | 25 | 5000 | 50 | 2200 | 100 | 2200 | 100 |
| 39 | 25000 | 16 | 5000 | 50 | 2200 | 50 | 2200 | 100 |
| 47 | 35000 | 25 | 11000 | 100 | 2200 | 50 | 2200 | 100 |
| 56 | 35000 | 16 | 11000 | 100 | 4000 | 100 | 2200 | 50 |
| 68 | 35000 | 16 | 11000 | 50 | 4000 | 50 | 4000 | 100 |
| 82 | | | 11000 | 50 | 5000 | 50 | 5000 | 100 |
| 100 | | | 25000 | 50 | 5000 | 50 | 5000 | 100 |
| 120 | | | 25000 | 25 | 11000 | 100 | 5000 | 100 |
| 150 | | | 25000 | 16 | 11000 | 100 | 5000 | 50 |
| 180 | | | 25000 | 16 | 11000 | 50 | 11000 | 100 |
| 200 | | | 35000 | 25 | 11000 | 50 | 11000 | 100 |
| 220 | | | 35000 | 16 | 25000 | 50 | 11000 | 100 |
| 270 | | | 35000 | 16 | 25000 | 50 | 11000 | 100 |
| 330 | | | | | 25000 | 25 | 11000 | 50 |
| 390 | | | | | 25000 | 16 | 25000 | 50 |
| 470 | | | | | 35000 | 25 | 25000 | 25 |
| 560 | | | | | 35000 | 16 | 25000 | 25 |
| 680 | | | | | 35000 | 16 | 25000 | 16 |
| 820 | | | | | | | 35000 | 25 |
| 1000 | | | | | | | 35000 | 16 |
| 1200 | | | | | | | 35000 | 16 |
| | I Type Dielectric | | | | II Type Dielectric | | | |

SA Series Array SLC

◆ Product Features

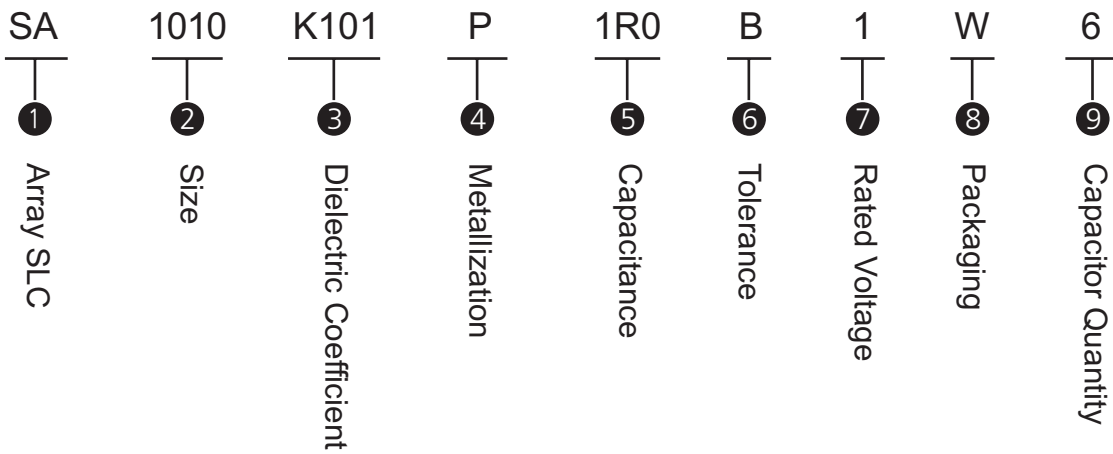
Simplified assembly;
Can be integrated into IC package to reduce bond wire lengths and improve performance;
capacitor quantity is 10 pieces Maximum.



◆ Product Applications

Decoupling, DC Blocking for GaAs IC's, RF Bypass.

◆ Part Number



① ~ ⑧ same P36-P37.

⑨ Capacitor Quantity

Capacitor quantity 10 pieces Maximum.

◆SA Series Single Capacitance Table

WVDC(Rated voltage) Unit: V

| Cap.pF | Size(inch/millimeter) | | | | | | | | | | | | | | | | | |
|--------|-----------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|---------------------|------|-----------------------|------|-----------------------|------|
| | 1010 (.254×.254) | | 1212 (.305×.305) | | 1515 (.381×.381) | | 2020 (.508×.508) | | 2525 (.635×.635) | | 3030 (.762×.762) | | 3535 (.889×.889) | | 4040 (1.016×1.016) | | 5050 (1.270×1.270) | |
| | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC | K | WVDC |
| 0.04 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | | | | | | | | | | | | |
| 0.06 | 9.6 | 50 | 9.6 | 50 | 9.6 | 100 | 3.8 | 50 | 3.8 | 100 | | | | | | | | |
| 0.08 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | 3.8 | 1000 | 3.8 | 100 | | | | | | |
| 0.1 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 3.8 | 50 | 3.8 | 100 | 3.8 | 100 | | | | |
| 0.2 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | 3.8 | 50 | 3.8 | 100 | 3.8 | 100 |
| 0.3 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | 3.8 | 50 | 3.8 | 100 |
| 0.4 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 | 3.8 | 50 |
| 0.5 | 84 | 50 | 84 | 50 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 50 | 9.6 | 100 | 3.8 | 50 |
| 0.6 | 150 | 100 | 84 | 50 | 84 | 100 | 40 | 100 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 | 9.6 | 100 |
| 0.8 | 300 | 100 | 150 | 100 | 84 | 50 | 40 | 50 | 40 | 100 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 100 |
| 1.0 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 100 | 40 | 100 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 50 |
| 1.2 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 | 9.6 | 50 | 9.6 | 50 |
| 1.5 | 300 | 50 | 300 | 100 | 150 | 50 | 84 | 50 | 40 | 50 | 40 | 100 | 40 | 100 | 40 | 100 | 9.6 | 50 |
| 1.8 | 300 | 50 | 300 | 50 | 150 | 50 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 | 40 | 100 |
| 2.0 | 300 | 50 | 300 | 50 | 150 | 50 | 150 | 100 | 84 | 100 | 40 | 50 | 40 | 50 | 40 | 100 | 40 | 400 |
| 2.2 | 1100 | 50 | 300 | 50 | 150 | 50 | 150 | 100 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 | 40 | 100 |
| 2.7 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 50 | 40 | 100 |
| 3.3 | 1100 | 100 | 1100 | 100 | 300 | 50 | 150 | 50 | 150 | 100 | 84 | 50 | 84 | 100 | 40 | 50 | 40 | 100 |
| 3.9 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 100 | 84 | 100 | 40 | 100 |
| 4.7 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 100 | 150 | 50 | 150 | 100 | 84 | 50 | 84 | 100 | 40 | 50 |
| 5.6 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 84 | 50 | 84 | 50 | 40 | 50 |
| 6.8 | 1100 | 50 | 1100 | 50 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 150 | 100 | 84 | 50 | 84 | 100 |
| 8.2 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 300 | 50 | 300 | 50 | 150 | 50 | 150 | 50 | 150 | 100 | 150 | 100 |
| 10 | 2200 | 50 | 1100 | 50 | 1100 | 50 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 150 | 50 | 150 | 100 |
| 12 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 | 150 | 100 |
| 15 | 4000 | 100 | 2200 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 300 | 100 | 150 | 100 |
| 18 | 4000 | 50 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 100 | 150 | 50 |
| 20 | 4000 | 50 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 50 | 150 | 50 |
| 22 | 4000 | 50 | 4000 | 100 | 2200 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 50 | 150 | 50 |
| 27 | 4000 | 50 | 4000 | 50 | 2200 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 50 | 300 | 100 |
| 33 | 5000 | 50 | 4000 | 50 | 4000 | 100 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 | 300 | 50 |
| 39 | 11000 | 100 | 4000 | 50 | 4000 | 50 | 2200 | 50 | 1100 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 |
| 47 | 11000 | 50 | 11000 | 100 | 4000 | 50 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 | 300 | 50 |
| 56 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 4000 | 100 | 2200 | 50 | 1100 | 50 | 1100 | 50 | 1100 | 100 | 1100 | 100 |
| 68 | 11000 | 50 | 11000 | 50 | 5000 | 50 | 4000 | 100 | 2200 | 50 | 2200 | 100 | 1100 | 50 | 1100 | 100 | 1100 | 100 |
| 82 | 25000 | 50 | 11000 | 50 | 11000 | 100 | 5000 | 100 | 2200 | 50 | 2200 | 50 | 2200 | 100 | 2200 | 100 | 1100 | 100 |
| 100 | 25000 | 25 | 25000 | 50 | 11000 | 100 | 5000 | 50 | 4000 | 100 | 2200 | 50 | 2200 | 100 | 2200 | 100 | 1100 | 100 |
| 120 | 25000 | 25 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 5000 | 100 | 2200 | 50 | 2200 | 50 | 2200 | 100 | 1100 | 50 |
| 150 | 25000 | 16 | 25000 | 16 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 100 | 2200 | 50 | 2200 | 50 | 1100 | 50 |
| 180 | 35000 | 16 | 25000 | 16 | 25000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 100 | 5000 | 100 | 4000 | 100 | 2200 | 100 |
| 200 | 35000 | 16 | 25000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 100 | 4000 | 100 | 2200 | 100 |
| 220 | 35000 | 16 | 35000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 100 | 4000 | 100 | 2200 | 100 |
| 270 | | | 35000 | 16 | 25000 | 16 | 25000 | 50 | 11000 | 100 | 5000 | 50 | 5000 | 50 | 4000 | 50 | 2200 | 50 |
| 330 | | | | | 25000 | 16 | 25000 | 50 | 11000 | 50 | 11000 | 100 | 5000 | 50 | 4000 | 50 | 4000 | 100 |
| 390 | | | | | 35000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 11000 | 100 | 11000 | 100 | 4000 | 100 |
| 470 | | | | | 35000 | 16 | 25000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 100 | 11000 | 100 | 4000 | 50 |
| 560 | | | | | | | 25000 | 16 | 25000 | 25 | 11000 | 50 | 11000 | 50 | 11000 | 100 | 4000 | 50 |
| 680 | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 50 | 11000 | 50 | 11000 | 100 | 5000 | 50 |
| 820 | | | | | | | 35000 | 16 | 35000 | 25 | 25000 | 25 | 11000 | 50 | 11000 | 50 | 11000 | 100 |
| 1000 | | | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 50 | 11000 | 50 | 11000 | 100 |
| 1200 | | | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 25 | 25000 | 25 | 11000 | 20 |
| 1500 | | | | | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 25 | 11000 | 50 |
| 1800 | | | | | | | | | | | 35000 | 16 | 35000 | 16 | 25000 | 16 | 25000 | 50 |
| 2200 | | | | | | | | | | | | | 35000 | 16 | 25000 | 16 | 25000 | 25 |
| 2700 | | | | | | | | | | | | | 35000 | 16 | 35000 | 16 | 25000 | 16 |
| 3300 | | | | | | | | | | | | | | | | | 35000 | 25 |

I Type Dielectric

II Type Dielectric

SP Series Multi-Pad SLC

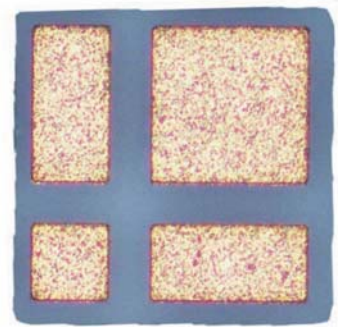
◆ Product Features

Small size is compatible with microwave geometries.

Ideal for prototype circuits.

SP SLC is designed by custom figure, Maximum size: 10 × 10mm,

Minimum size: 0.3 × 0.3mm.



◆ Product Applications

Matching Networks, Tank Circuits, Dielectric resonator tuning/coupling.

◆ Part Number

| | | | | | | | | |
|---------------|------|------------------------|---------------|-------------|-----------|---------------|-----------|--------------------|
| SP | 1010 | K101 | P | 1R0 | B | 1 | W | 6 |
| — | — | — | — | — | — | — | — | — |
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ |
| Multi-PAD SLC | Size | Dielectric Coefficient | Metallization | Capacitance | Tolerance | Rated Voltage | Packaging | Capacitor Quantity |

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