# THE DATASHEET OF

# SR202C682MAR

## GENERAL INFORMATION

**SR Series**

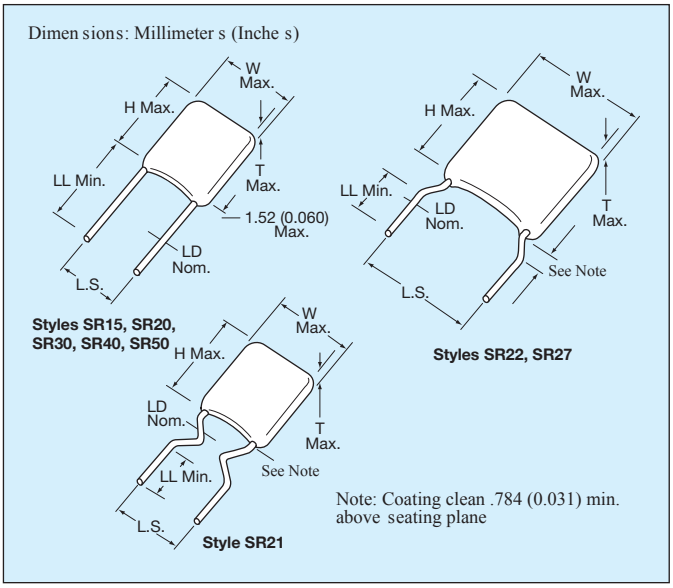
**Conformally Coated Radial Leaded MLC**

**Temperature Coefficients:** C0G (NP0), X7R, Z5U

**200, 100, 50 Volts (300V, 400V & 500V also available)**

**Case Material:** Epoxy

**Lead Material:** RoHS Compliant, 100% Tin




Drawings are for illustrative purposes only.
Actual lead form shape could vary within stated tolerances based on body size.

## HOW TO ORDER

| SR21 | 5 | E | 104 | M | A | R | TR1 |
|---|---|---|---|---|---|---|---|
| Style | Voltage | Temperature Coefficient | Capacitance | Capacitance Tolerance | Failure Rate | Leads | Packaging |

**Style**
SR15
SR20
SR21
SR22
SR27
SR30
SR40
SR50

**Voltage**
5 = 50V
1 = 100V
2 = 200V
9 = 300V
8 = 400V
7 = 500V

**Temperature Coefficient**
A = C0G (NP0)
C = X7R
E = Z5U

**Capacitance**
First two digits are the significant figures of capacitance. Third digit indicates the additional number of zeros. For example, order 100,000 pF as 104. (For values below 10pF use "R" in place of decimal point, e.g., 1R4 = 1.4pF.)

**Capacitance Tolerance**

C0G (NP0):
C = ±.25pF
D = ±.5pF
F = ±1%
(>50pF only)
G = ±2%
(>25pF only)
J = ±5%
K = ±10%

X7R:
J = ±5%
K = ±10%
M = ±20%

Z5U:
M = ±20%
Z = +80% -20%

**Failure Rate**
A = Not Applicable

**Leads**
R = RoHS

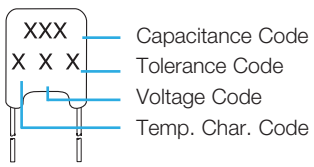
**Packaging**
Blank: Bulk Packaging 1.0" minimum of lead length
T: Trimmed leads .230" ± .030" Bulk packaging
TR1: Tape and Reel Packaging
AP1: Ammopack packaging

See packaging specification pages 33-34

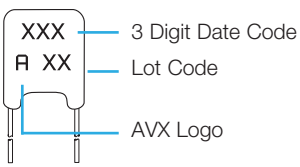
RoHS COMPLIANT

## MARKING

FRONT




BACK




## PACKAGING REQUIREMENTS

| | Quantity per Bag |
|---|---|
| SR15, 20, 21, 22, 27, 30 | 1000 Pieces |
| SR40, 50 | 500 Pieces |

Note: SR15, SR20, SR21, SR30, and SR40 available on tape and reel per EIA specifications RS-468. See Pages 33 and 34.



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

## SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

| Style | | SR15 | | | SR20 | | | SR21 | | | SR22 | | | SR27 | | | SR30 | | SR40 | | SR50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| "Insertable" | | SR07 | | | SR29 | | | SR59 | | | N/A | | | N/A | | | SR65 | | SR75 | | N/A | |
| Width (W) | | 3.81 (.150) | | | 5.08 (.200) | | | 5.08 (.200) | | | 5.08 (.200) | | | 6.604 (.260) | | | 7.62 (.300) | | 10.16 (.400) | | 12.70 (.500) | |
| Height (H) | | 3.81 (.150) | | | 5.08 (.200) | | | 5.08 (.200) | | | 5.08 (.200) | | | 6.35 (.250) | | | 7.62 (.300) | | 10.16 (.400) | | 12.70 (.500) | |
| Thickness (T) | | 2.54 (.100) | | | 3.175 (.125) | | | 3.175 (.125) | | | 3.175 (.125) | | | 4.06 (.160) | | | 3.81 (.150) | | 3.81 (.150) | | 5.08 (.200) | |
| Lead Spacing (L.S.) | | 2.54 (.100) | | | 2.54 (.100) | | | 5.08 (.200) | | | 6.35 (.250) | | | 7.62 (.300) | | | 5.08 (.200) | | 5.08 (.200) | | 10.16 (.400) | |
| Lead Diameter (L.D.) | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | .508 (.020) | | .635 (.025) | |
| Cap. in.* pF | Industry Preferred Values in Blue | WVDC | | | WVDC | | | WVDC | | | WVDC | | | WVDC | | | WVDC | | WVDC | | WVDC | |
| | | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 100 | 50 | 100 | 50 | 100 | 50 |
| 1.0-9.9 | SR151A1R0DAR | | | | | | | | | | | | | | | | | | | | | |
| 10 | **SR151A100KAR** | | | | | | | | | | | | | | | | | | | | | |
| 15 | SR____A150KAR | | | | | | | | | | | | | | | | | | | | | |
| 22 | SR____A220KAR | | | | | | | | | | | | | | | | | | | | | |
| 33 | SR____A330KAR | | | | | | | | | | | | | | | | | | | | | |
| 39 | SR____A390KAR | | | | | | | | | | | | | | | | | | | | | |
| 47 | SR____A470KAR | | | | | | | | | | | | | | | | | | | | | |
| 68 | SR____A680KAR | | | | | | | | | | | | | | | | | | | | | |
| 100 | **SR151A101KAR** | | | | | | | | | | | | | | | | | | | | | |
| 150 | SR____A151KAR | | | | | | | | | | | | | | | | | | | | | |
| 220 | SR____A221KAR | | | | | | | | | | | | | | | | | | | | | |
| 330 | SR____A331KAR | | | | | | | | | | | | | | | | | | | | | |
| 390 | SR____A391KAR | | | | | | | | | | | | | | | | | | | | | |
| 470 | SR____A471KAR | | | | | | | | | | | | | | | | | | | | | |
| 680 | SR____A681KAR | | | | | | | | | | | | | | | | | | | | | |
| 1000 | **SR211A102KAR** | | | | | | | | | | | | | | | | | | | | | |
| 1500 | SR____A152KAR | | | | | | | | | | | | | | | | | | | | | |
| 2200 | SR____A222KAR | | | | | | | | | | | | | | | | | | | | | |
| 3900 | SR____A392KAR | | | | | | | | | | | | | | | | | | | | | |
| 4700 | SR____A472KAR | | | | | | | | | | | | | | | | | | | | | |
| 6800 | SR____A682KAR | | | | | | | | | | | | | | | | | | | | | |
| 8200 | SR____A822KAR | | | | | | | | | | | | | | | | | | | | | |
| 10,000 | SR____A103KAR | | | | | | | | | | | | | | | | | | | | | |
| 15,000 | SR____A153KAR | | | | | | | | | | | | | | | | | | | | | |
| 22,000 | SR____A223KAR | | | | | | | | | | | | | | | | | | | | | |
| 33,000 | SR____A333KAR | | | | | | | | | | | | | | | | | | | | | |
| 39,000 | SR____A393KAR | | | | | | | | | | | | | | | | | | | | | |
| 47,000 | SR____A473KAR | | | | | | | | | | | | | | | | | | | | | |
| 68,000 | SR____A683KAR | | | | | | | | | | | | | | | | | | | | | |
| 100,000 | SR____A104KAR | | | | | | | | | | | | | | | | | | | | | |

For other styles, voltages, tolerances and lead lengths see Part No. Codes or contact factory.

***Other capacitance values available upon special request.**

**= Industry preferred values**

**= SR20 only**

Capacitance ranges available for SR12 and SR07 same as SR15
SR62 and SR59 same as SR21
SR64 and SR65 same as SR30
SR75 same as SR40
SR13 same as SR21

**NOTE:** For others voltages, tolerances, electrical specifications and NPO typical characteristics, see the KYOCERA AVX Multilayer Ceramic Leaded Capacitors Catalog.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## SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

| | Style | SR15 | | | SR20 | | | SR21 | | | SR22 | | | SR27 | | | SR30 | | | SR40 | | | SR50 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | "Insertable" | SR07 | | | SR29 | | | SR59 | | | N/A | | | N/A | | | SR65 | | | SR75 | | | N/A | | |
| | Width (W) | 3.81 (.150) | | | 5.08 (.200) | | | 5.08 (.200) | | | 5.08 (.200) | | | 6.604 (.260) | | | 7.62 (.300) | | | 10.16 (.400) | | | 12.70 (.500) | | |
| | Height (H) | 3.81 (.150) | | | 5.08 (.200) | | | 5.08 (.200) | | | 5.08 (.200) | | | 6.35 (.250) | | | 7.62 (.300) | | | 10.16 (.400) | | | 12.70 (.500) | | |
| | Thickness (T) | 2.54 (.100) | | | 3.175 (.125) | | | 3.175 (.125) | | | 3.175 (.125) | | | 4.06 (.160) | | | 3.81 (.150) | | | 3.81 (.150) | | | 5.08 (.200) | | |
| | Lead Spacing (L.S.) | 2.54 (.100) | | | 2.54 (.100) | | | 5.08 (.200) | | | 6.35 (.250) | | | 7.62 (.300) | | | 5.08 (.200) | | | 5.08 (.200) | | | 10.16 (.400) | | |
| | Lead Diameter (L.D.) | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .635 (.025) | | |
| Cap. in.* pF | Industry Preferred Values in Blue | WVDC | | | WVDC | | | WVDC | | | WVDC | | | WVDC | | | WVDC | | | WVDC | | | WVDC | | |
| | | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 |
| 470 | SR____C471KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| **1000** | **SR155C102KAR** | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500 | SR____C152KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200 | SR____C222KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300 | SR____C332KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700 | SR____C472KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800 | SR____C682KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| **10,000** | **SR215C103KAR** | | | | | | | | | | | | | | | | | | | | | | | | |
| 15,000 | SR____C153KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 22,000 | SR____C223KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 33,000 | SR____C333KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 47,000 | SR____C473KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 68,000 | SR____C683KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| **100,000** | **SR215C104KAR** | | | | | | | | | | | | | | | | | | | | | | | | |
| 150,000 | SR____C154KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| **220,000** | **SR215C224KAR** | | | | | | | | | | | | | | | | | | | | | | | | |
| 330,000 | SR____C334KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 390,000 | SR____C394KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| **470,000** | **SR305C474KAR** | | | | | | | | | | | | | | | | | | | | | | | | |
| **1.0 uF** | **SR305C105KAR** | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2 uF | SR405C225KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.7 uF | SR505C275KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.7 uF | SR505C475KAR | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 uF | SR655C106KAR | | | | | | | | | | | | | | | | | | | | | | | | |

For other styles, voltages, tolerances and lead lengths see Part No. Codes or contact factory.

= Industry preferred values

= Extended range

= Extended range with 0.150" thickness maximum




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## SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

| Style | SR15 | | SR20 | | SR21 | | SR22 | | SR27 | | SR30 | | SR40 | | SR50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| "Insertable" | SR07 | | SR29 | | SR59 | | N/A | | N/A | | SR65 | | SR75 | | N/A | |
| Width (W) | 3.81 (.150) | | 5.08 (.200) | | 5.08 (.200) | | 5.08 (.200) | | 6.604 (.260) | | 7.62 (.300) | | 10.16 (.400) | | 12.70 (.500) | |
| Height (H) | 3.81 (.150) | | 5.08 (.200) | | 5.08 (.200) | | 5.08 (.200) | | 6.35 (.250) | | 7.62 (.300) | | 10.16 (.400) | | 12.70 (.500) | |
| Thickness (T) | 2.54 (.100) | | 3.175 (.125) | | 3.175 (.125) | | 3.175 (.125) | | 4.06 (.160) | | 3.81 (.150) | | 3.81 (.150) | | 5.08 (.200) | |
| Lead Spacing (L.S.) | 2.54 (.100) | | 2.54 (.100) | | 5.08 (.200) | | 6.35 (.250) | | 7.62 (.300) | | 5.08 (.200) | | 5.08 (.200) | | 10.16 (.400) | |
| Lead Diameter (L.D.) | .508 (.020) | | .508 (.020) | | .508 (.020) | | .508 (.020) | | .508 (.020) | | .508 (.020) | | .508 (.020) | | .635 (.025) | |
| Cap. in.* pF / Industry Preferred Values in Blue | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 |
| **10,000 SR155E103ZAR** | | | | | | | | | | | | | | | | |
| 47,000 SR_____E473ZAR | | | | | | | | | | | | | | | | |
| **100,000 SR215E104ZAR** | | | | | | | | | | | | | | | | |
| 150,000 SR_____E154ZAR | | | | | | | | | | | | | | | | |
| **220,000 SR215E224ZAR** | | | | | | | | | | | | | | | | |
| **330,000 SR215E334ZAR** | | | | | | | | | | | | | | | | |
| **470,000 SR215E474ZAR** | | | | | | | | | | | | | | | | |
| 680,000 SR_____E684ZAR | | | | | | | | | | | | | | | | |
| **1.0 µF SR_____105ZAR** | | | | | | | | | | | | | | | | |
| 1.5 µF SR30E155ZAR | | | | | | | | | | | | | | | | |
| 2.2 µF SR30E225ZAR | | | | | | | | | | | | | | | | |
| 3.3 µF SR30E335ZAR | | | | | | | | | | | | | | | | |
| 4.7 µF SR30E475ZAR | | | | | | | | | | | | | | | | |

For other styles, voltages, tolerances and lead lengths see Part No. Codes or contact factory.

***Other capacitance values available upon special request.**

**= Industry preferred values**

**= SR20 only**

Capacitance ranges available for
SR12 and SR07 same as SR15
SR62 and SR59 same as SR21
SR64 and SR65 same as SR30
SR75 same as SR40
SR13 same as SR21

**NOTE:** For others voltages, tolerances, electrical specifications and NPO typical characteristics, see the KYOCERA AVX Multilayer Ceramic Leaded Capacitors Catalog.

## 500 VOLT SKYCAPS**

| STYLE* | MAXIMUM CAPACITANCE VALUE C0G (NP0) | X7R |
|---|---|---|
| SR29 | 900 pF | .015 µF |
| SR20 | 1800 pF | .033 µF |
| SR28 SR59 | 900 pF | .015 µF |
| SR13 SR21 | 1800 pF | .033 µF |
| SR30 SR61 SR65 | 7200 pF | .12 µF |
| SR40 SR75 | .015 µF | .27 µF |
| SR22 | 1800 pF | .033 µF |
| SR27 | 1800 pF | .033 µF |
| SR76 | .015 µF | .27 µF |

*Consult pages 27 and 28 for style sizes.

**Voltage rating based on DWV of 150% of rated voltage.

## GENERAL INFORMATION

**SL Series**

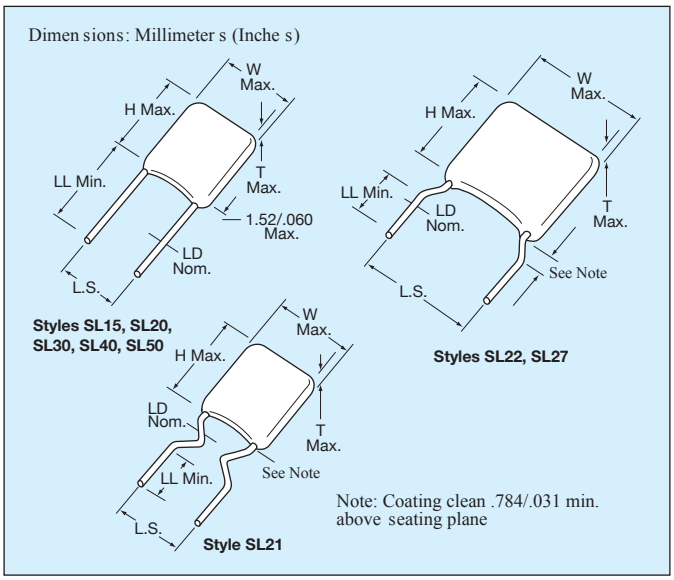
**Conformally Coated Radial Leaded MLC**

**Temperature Coefficients:** C0G (NP0), X7R, Z5U

**200, 100, 50 Volts (300V, 400V & 500V also available)**

**Case Material:** Epoxy

**Lead Material:** Solderable Sn/Pb




Drawings are for illustrative purposes only.
Actual lead form shape could vary within stated tolerances based on body size.

## HOW TO ORDER

| SL21 | 5 | E | 104 | M | A | B | TR1 |
|---|---|---|---|---|---|---|---|
| Style | Voltage | Temperature Coefficient | Capacitance | Capacitance Tolerance | Failure Rate | Leads | Packaging |

**Style**
SL15
SL20
SL21
SL22
SL27
SL30
SL40
SL50

**Voltage**
5 = 50V
1 = 100V
2 = 200V
9 = 300V
8 = 400V
7 = 500V

**Temperature Coefficient**
A = C0G (NP0)
C = X7R
E = Z5U

**Capacitance**
First two digits are the significant figures of capacitance. Third digit indicates the additional number of zeros. For example, order 100,000 pF as 104. (For values below 10pF use "R" in place of decimal point, e.g., 1R4 = 1.4pF.)

**Capacitance Tolerance**

C0G (NP0):
C = ±.25pF
D = ±.5pF
F = ±1%
(>50pF only)
G = ±2%
(>25pF only)
J = ±5%
K = ±10%

X7R:
J = ±5%
K = ±10%
M = ±20%

Z5U:
M = ±20%
Z = +80% -20%

**Failure Rate**
A = Not Applicable

**Leads**
B = Leads Sn/Pb (Tin lead product)

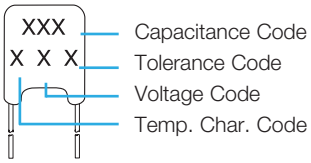
**Packaging**
Blank: Bulk Packaging 1.0" minimum of lead length
T: Trimmed leads .230" ± .030" Bulk packaging
TR1: Tape and Reel Packaging
AP1: Ammopack packaging

See packaging specification pages 33-34

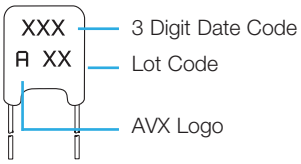
**Not RoHS Compliant**

## MARKING

FRONT




BACK




## PACKAGING REQUIREMENTS

| | Quantity per Bag |
|---|---|
| SL15, 20, 21, 22, 27, 30 | 1000 Pieces |
| SL40, 50 | 500 Pieces |

Note: SL15, SL20, SL21, SL30, and SL40 available on tape and reel per EIA specifications RS-468. See Pages 33 and 34.



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## SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

| Style | | SL15 | | | SL20 | | | SL21 | | | SL22 | | | SL27 | | | SL30 | | SL40 | | SL50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| "Insertable" | | SL07 | | | SL29 | | | SL59 | | | N/A | | | N/A | | | SL65 | | SL75 | | N/A | |
| Width (W) | | 3.81 (.150) | | | 5.08 (.200) | | | 5.08 (.200) | | | 5.08 (.200) | | | 6.604 (.260) | | | 7.62 (.300) | | 10.16 (.400) | | 12.70 (.500) | |
| Height (H) | | 3.81 (.150) | | | 5.08 (.200) | | | 5.08 (.200) | | | 5.08 (.200) | | | 6.35 (.250) | | | 7.62 (.300) | | 10.16 (.400) | | 12.70 (.500) | |
| Thickness (T) | | 2.54 (.100) | | | 3.175 (.125) | | | 3.175 (.125) | | | 3.175 (.125) | | | 4.06 (.160) | | | 3.81 (.150) | | 3.81 (.150) | | 5.08 (.200) | |
| Lead Spacing (L.S.) | | 2.54 (.100) | | | 2.54 (.100) | | | 5.08 (.200) | | | 6.35 (.250) | | | 7.62 (.300) | | | 5.08 (.200) | | 5.08 (.200) | | 10.16 (.400) | |
| Lead Diameter (L.D.) | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | | .508 (.020) | | .508 (.020) | | .635 (.025) | |
| Cap. in.* pF | Industry Preferred Values in Blue | WVDC | | | WVDC | | | WVDC | | | WVDC | | | WVDC | | | WVDC | | WVDC | | WVDC | |
| | | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 200 | 100 | 50 | 100 | 50 | 100 | 50 | 100 | 50 |
| 1.0-9.9 | SL151A1R0DAB | | | | | | | | | | | | | | | | | | | | | |
| **10** | **SL151A100KAB** | | | | | | | | | | | | | | | | | | | | | |
| 15 | SL_____A150KAB | | | | | | | | | | | | | | | | | | | | | |
| 22 | SL_____A220KAB | | | | | | | | | | | | | | | | | | | | | |
| 33 | SL_____A330KAB | | | | | | | | | | | | | | | | | | | | | |
| 39 | SL_____A390KAB | | | | | | | | | | | | | | | | | | | | | |
| 47 | SL_____A470KAB | | | | | | | | | | | | | | | | | | | | | |
| 68 | SL_____A680KAB | | | | | | | | | | | | | | | | | | | | | |
| **100** | **SL151A101KAB** | | | | | | | | | | | | | | | | | | | | | |
| 150 | SL_____A151KAB | | | | | | | | | | | | | | | | | | | | | |
| 220 | SL_____A221KAB | | | | | | | | | | | | | | | | | | | | | |
| 330 | SL_____A331KAB | | | | | | | | | | | | | | | | | | | | | |
| 390 | SL_____A391KAB | | | | | | | | | | | | | | | | | | | | | |
| 470 | SL_____A471KAB | | | | | | | | | | | | | | | | | | | | | |
| 680 | SL_____A681KAB | | | | | | | | | | | | | | | | | | | | | |
| **1000** | **SL211A102KAB** | | | | | | | | | | | | | | | | | | | | | |
| 1500 | SL_____A152KAB | | | | | | | | | | | | | | | | | | | | | |
| 2200 | SL_____A222KAB | | | | | | | | | | | | | | | | | | | | | |
| 3900 | SL_____A392KAB | | | | | | | | | | | | | | | | | | | | | |
| 4700 | SL_____A472KAB | | | | | | | | | | | | | | | | | | | | | |
| 6800 | SL_____A682KAB | | | | | | | | | | | | | | | | | | | | | |
| 8200 | SL_____A822KAB | | | | | | | | | | | | | | | | | | | | | |
| **10,000** | **SL305A103KAB** | | | | | | | | | | | | | | | | | | | | | |
| 15,000 | SL_____A153KAB | | | | | | | | | | | | | | | | | | | | | |
| 22,000 | SL_____A223KAB | | | | | | | | | | | | | | | | | | | | | |
| 33,000 | SL_____A333KAB | | | | | | | | | | | | | | | | | | | | | |
| 39,000 | SL_____A393KAB | | | | | | | | | | | | | | | | | | | | | |
| 47,000 | SL_____A473KAB | | | | | | | | | | | | | | | | | | | | | |
| 68,000 | SL_____A683KAB | | | | | | | | | | | | | | | | | | | | | |
| 100,000 | SL_____A104KAB | | | | | | | | | | | | | | | | | | | | | |

For other styles, voltages, tolerances and lead lengths see Part No. Codes or contact factory.

***Other capacitance values available upon special request.**

**= Industry preferred values**

**= SL20 only**

**NOTE:** Capacitance ranges available for SL12 same as SL15
SL62 same as SL21
SL64 same as SL30
SL89 same as SL21


The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

## SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

| Style | SL15 | SL20 | SL21 | SL22 | SL27 | SL30 | SL40 | SL50 |
|---|---|---|---|---|---|---|---|---|
| "Insertable" | SL07 | SL29 | SL59 | N/A | N/A | SL65 | SL75 | N/A |
| Width (W) | 3.81 (.150) | 5.08 (.200) | 5.08 (.200) | 5.08 (.200) | 6.604 (.260) | 7.62 (.300) | 10.16 (.400) | 12.70 (.500) |
| Height (H) | 3.81 (.150) | 5.08 (.200) | 5.08 (.200) | 5.08 (.200) | 6.35 (.250) | 7.62 (.300) | 10.16 (.400) | 12.70 (.500) |
| Thickness (T) | 2.54 (.100) | 3.175 (.125) | 3.175 (.125) | 3.175 (.125) | 4.06 (.160) | 3.81 (.150) | 3.81 (.150) | 5.08 (.200) |
| Lead Spacing (L.S.) | 2.54 (.100) | 2.54 (.100) | 5.08 (.200) | 6.35 (.250) | 7.62 (.300) | 5.08 (.200) | 5.08 (.200) | 10.16 (.400) |
| Lead Diameter (L.D.) | .508 (.020) | .508 (.020) | .508 (.020) | .508 (.020) | .508 (.020) | .508 (.020) | .508 (.020) | .635 (.025) |

| Cap. in.* pF | Industry Preferred Values in Blue | WVDC 200 | WVDC 100 | WVDC 50 | WVDC 200 | WVDC 100 | WVDC 50 | WVDC 200 | WVDC 100 | WVDC 50 | WVDC 200 | WVDC 100 | WVDC 200 | WVDC 100 | WVDC 100 | WVDC 50 | WVDC 200 | WVDC 100 | WVDC 50 | WVDC 200 | WVDC 100 | WVDC 50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 470 | SL_____C471KAB | | | | | | | | | | | | | | | | | | | | | |
| **1000** | **SL155C102KAB** | | | | | | | | | | | | | | | | | | | | | |
| 1500 | SL_____C152KAB | | | | | | | | | | | | | | | | | | | | | |
| 2200 | SL_____C222KAB | | | | | | | | | | | | | | | | | | | | | |
| 3300 | SL_____C332KAB | | | | | | | | | | | | | | | | | | | | | |
| 4700 | SL_____C472KAB | | | | | | | | | | | | | | | | | | | | | |
| 6800 | SL_____C682KAB | | | | | | | | | | | | | | | | | | | | | |
| **10,000** | **SL215C103KAB** | | | | | | | | | | | | | | | | | | | | | |
| 15,000 | SL_____C153KAB | | | | | | | | | | | | | | | | | | | | | |
| 22,000 | SL_____C223KAB | | | | | | | | | | | | | | | | | | | | | |
| 33,000 | SL_____C333KAB | | | | | | | | | | | | | | | | | | | | | |
| 47,000 | SL_____C473KAB | | | | | | | | | | | | | | | | | | | | | |
| 68,000 | SL_____C683KAB | | | | | | | | | | | | | | | | | | | | | |
| **100,000** | **SL215C104KAB** | | | | | | | | | | | | | | | | | | | | | |
| 150,000 | SL_____C154KAB | | | | | | | | | | | | | | | | | | | | | |
| 220,000 | **SL215C224KAB** | | | | | | | | | | | | | | | | | | | | | |
| 330,000 | SL_____C334KAB | | | | | | | | | | | | | | | | | | | | | |
| 390,000 | SL_____C394KAB | | | | | | | | | | | | | | | | | | | | | |
| **470,000** | **SL305C474KAB** | | | | | | | | | | | | | | | | | | | | | |
| **1.0 uF** | **SL305C105KAB** | | | | | | | | | | | | | | | | | | | | | |
| 2.2 uF | SL405C225KAB | | | | | | | | | | | | | | | | | | | | | |
| 2.7 uF | SL505C275KAB | | | | | | | | | | | | | | | | | | | | | |
| 4.7 uF | SL505C475KAB | | | | | | | | | | | | | | | | | | | | | |
| 10.0 uF | SL655C106KAB | | | | | | | | | | | | | | | | | | | | | |

For other styles, voltages, tolerances and lead lengths see Part No. Codes or contact factory.

= Industry preferred values

= Extended range

= Extended range with 0.150" thickness maximum




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## SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

| Style | SL15 | | SL20 | | SL21 | | SL22 | | SL27 | | SL30 | | SL40 | | SL50 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| "Insertable" | SL07 | | SL29 | | SL59 | | N/A | | N/A | | SL65 | | SL75 | | N/A | |
| Width (W) | 3.81 (.150) | | 5.08 (.200) | | 5.08 (.200) | | 5.08 (.200) | | 6.604 (.260) | | 7.62 (.300) | | 10.16 (.400) | | 12.70 (.500) | |
| Height (H) | 3.81 (.150) | | 5.08 (.200) | | 5.08 (.200) | | 5.08 (.200) | | 6.35 (.250) | | 7.62 (.300) | | 10.16 (.400) | | 12.70 (.500) | |
| Thickness (T) | 2.54 (.100) | | 3.175 (.125) | | 3.175 (.125) | | 3.175 (.125) | | 4.06 (.160) | | 3.81 (.150) | | 3.81 (.150) | | 5.08 (.200) | |
| Lead Spacing (L.S.) | 2.54 (.100) | | 2.54 (.100) | | 5.08 (.200) | | 6.35 (.250) | | 7.62 (.300) | | 5.08 (.200) | | 5.08 (.200) | | 10.16 (.400) | |
| Lead Diameter (L.D.) | .508 (.020) | | .508 (.020) | | .508 (.020) | | .508 (.020) | | .508 (.020) | | .508 (.020) | | .508 (.020) | | .635 (.025) | |
| Cap. in.* pF / Industry Preferred Values in Blue | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 | WVDC 100 | 50 |
| **10,000** **SL155E103ZAB** | | ■ | | | | | | | | | | | | | | |
| 47,000 SL_____E473ZAB | | | | | | | | | | | | | | | | |
| **100,000** **SL215E104ZAB** | | | | ■ | | ■ | | | | | | | | | | |
| 150,000 SL_____E154ZAB | | | | | | | | | | | | | | | | |
| **220,000** **SL215E224ZAB** | | | | | | ■ | | | | | | | | | | |
| **330,000** **SL215E334ZAB** | | | | | | | | | | | | | | | | |
| **470,000** **SL215E474ZAB** | | | | ■ | | ■ | | | | | | | | | | |
| 680,000 SL_____E684ZAB | | | | | | | | | | | | | | | | |
| **1.0 µF** **SL_____105ZAB** | | | | ▨ | | ■ | | | | | | | | | | |
| 1.5 µF SL30E155ZAB | | | | | | | | | | | | | | | | |
| 2.2 µF SL30E225ZAB | | | | | | | | | | | | | | | | |
| 3.3 µF SL30E335ZAB | | | | | | | | | | | | | | | | |
| 4.7 µF SL30E475ZAB | | | | | | | | | | | | | | | | |

For other styles, voltages, tolerances and lead lengths see Part No. Codes or contact factory.

***Other capacitance values available upon special request.**

■ = **Industry preferred values**

▨ = **SL20 only**

## 500 VOLT SKYCAPS**

| STYLE* | MAXIMUM CAPACITANCE VALUE | |
|---|---|---|
| | C0G (NP0) | X7R |
| SL29 | 900 pF | .015 µF |
| SL20 | 1800 pF | .033 µF |
| SL28<br>SL59 | 900 pF | .015 µF |
| SL13<br>SL21 | 1800 pF | .033 µF |
| SL30<br>SL61<br>SL65 | 7200 pF | .12 µF |
| SL40<br>SL75 | .015 µF | .27 µF |
| SL22 | 1800 pF | .033 µF |
| SL27 | 1800 pF | .033 µF |
| SL76 | .015 µF | .27 µF |
| SL50 | .036 µF | .59 µF |

*Consult pages 27 and 28 for style sizes.

**Voltage rating based on DWV of 150% of rated voltage.

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