Radial Leads/SkyCap®/SR Series

GENERAL INFORMATION

AVX SR Series

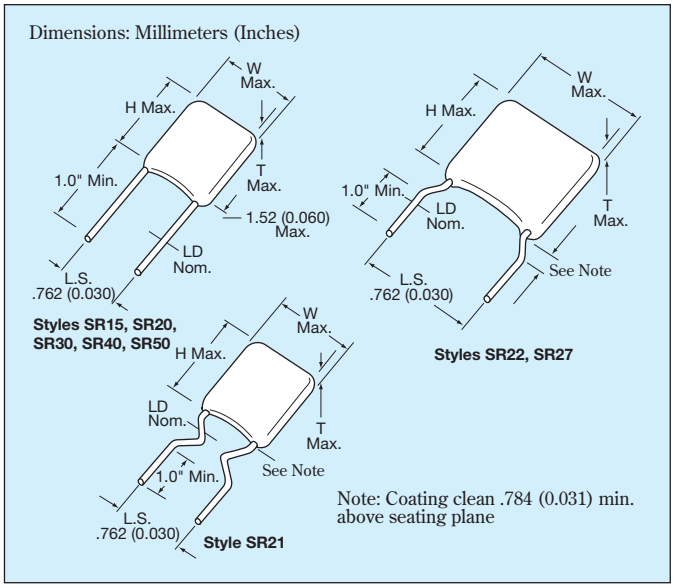
Conformally Coated Radial Leaded MLC

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

AVX 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):	X7R:
C = ±.25pF	J = ±5%
D = ±.5pF	K = ±10%
F = ±1% (>50pF only)	M = ±20%
G = ±2% (>25pF only)	Z5U:
J = ±5%	M = ±20%
K = ±10%	Z = +80% -20%

Failure Rate
A = Not Applicable

Leads
R = RoHS Long Lead 1.0" minimum

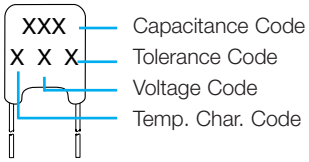
Packaging
Blank = Bulk Packaging
T = Trimmed Leads .230"± .030" Bulk packaging
TR1 = Tape and Reel Packaging
AP1 = Ammopack Packaging

See packaging specification page 33-34.

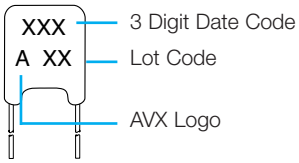
RoHS COMPLIANT

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.

Radial Leads/SkyCap®/SR Series

C0G (NP0) Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

AVX Style	SR15	SR20	SR21	SR22	SR27	SR30	SR40	SR50
AVX "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 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	**SR305A103KAR**																					
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 AVX Multilayer Ceramic Leaded Capacitors Catalog.

Radial Leads/SkyCap®/SR Series

X7R Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

AVX Style	SR15	SR20	SR21	SR22	SR27	SR30	SR40	SR50
AVX "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	SR15 WVDC 200	SR15 WVDC 100	SR15 WVDC 50	SR20 WVDC 200	SR20 WVDC 100	SR20 WVDC 50	SR21 WVDC 200	SR21 WVDC 100	SR21 WVDC 50	SR22 WVDC 100	SR22 WVDC 50	SR27 WVDC 100	SR27 WVDC 50	SR30 WVDC 200	SR30 WVDC 100	SR30 WVDC 50	SR40 WVDC 200	SR40 WVDC 100	SR40 WVDC 50	SR50 WVDC 200	SR50 WVDC 100	SR50 WVDC 50
470	SR_____C471KAA																						
1000	**SR155C102KAA**																						
1500	SR_____C152KAA																						
2200	SR_____C222KAA																						
3300	SR_____C332KAA																						
4700	SR_____C472KAA																						
6800	SR_____C682KAA																						
10,000	**SR215C103KAA**																						
15,000	SR_____C153KAA																						
22,000	SR_____C223KAA																						
33,000	SR_____C333KAA																						
47,000	SR_____C473KAA																						
68,000	SR_____C683KAA																						
100,000	**SR215C104KAA**																						
150,000	SR_____C154KAA																						
220,000	**SR215C224KAA**																						
330,000	SR_____C334KAA																						
390,000	SR_____C394KAA																						
470,000	**SR305C474KAA**																						
1.0 uF	**SR305C105KAA**																						
2.2 uF	SR405C225KAA																						
2.7 uF	SR505C275KAA																						
4.7 uF	SR505C475KAA																						
10.0 uF	SR655C106KAA																						

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

Radial Leads/SkyCap®/SR Series

Z5U Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

AVX Style	SR15	SR20	SR21	SR22	SR27	SR30	SR40	SR50
AVX "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	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 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 AVX Multilayer Ceramic Leaded Capacitors Catalog.

AVX 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
SR50	.036 µF	.59 µF

*Consult pages 27 and 28 for style sizes.

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

Radial Leads/SkyCap®/SL Series

GENERAL INFORMATION

AVX SL Series

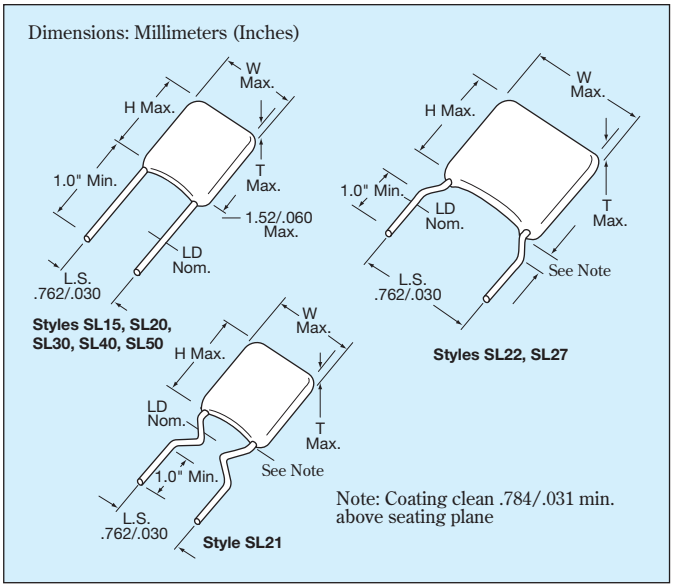
Conformally Coated Radial Leaded MLC

Temperature Coefficients: C0G (NP0), X7R, Z5U

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

Case Material: Epoxy

Lead Material: Solderable Sn/Pb



HOW TO ORDER

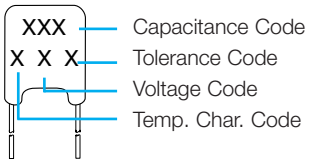
SL21	5	E	104	M	A	B	TR1
AVX Style	**Voltage**	**Temperature Coefficient**	**Capacitance**	**Capacitance Tolerance**	**Failure Rate**	**Leads**	**Packaging**
SL15 SL20 SL21 SL22 SL27 SL30 SL40 SL50	5 = 50V 1 = 100V 2 = 200V 9 = 300V 8 = 400V 7 = 500V	A = C0G (NP0) C = X7R E = Z5U	First two digits are the 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.)	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%	A = Not Applicable	B = Leads Sn/Pb (Tin lead product)	Blank = Bulk Packaging T = Trimmed Leads .230"± .030" Bulk packaging TR1 = Tape and Reel Packaging AP1 = Ammopack Packaging

See packaging specification page 33-34.

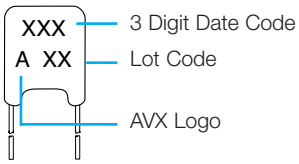
Not RoHS Compliant

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.

Radial Leads/SkyCap®/SL Series

C0G (NP0) Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

AVX Style	SL15	SL20	SL21	SL22	SL27	SL30	SL40	SL50
AVX "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	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

Radial Leads/SkyCap®/SL Series

X7R Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

AVX Style	SL15	SL20	SL21	SL22	SL27	SL30	SL40	SL50
AVX "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	100	50	200	100	50	200	100	50	100	50	100	50	200	100	50	200	100	50	200	100	50
470	SL_____C471KAA																						
1000	**SL155C102KAA**																						
1500	SL_____C152KAA																						
2200	SL_____C222KAA																						
3300	SL_____C332KAA																						
4700	SL_____C472KAA																						
6800	SL_____C682KAA																						
10,000	**SL215C103KAA**																						
15,000	SL_____C153KAA																						
22,000	SL_____C223KAA																						
33,000	SL_____C333KAA																						
47,000	SL_____C473KAA																						
68,000	SL_____C683KAA																						
100,000	**SL215C104KAA**																						
150,000	SL_____C154KAA																						
220,000	**SL215C224KAA**																						
330,000	SL_____C334KAA																						
390,000	SL_____C394KAA																						
470,000	**SL305C474KAA**																						
1.0 uF	**SL305C105KAA**																						
2.2 uF	SL405C225KAA																						
2.7 uF	SL505C275KAA																						
4.7 uF	SL505C475KAA																						
10.0 uF	SL655C106KAA																						

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

Radial Leads/SkyCap®/SL Series

Z5U Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

AVX Style	SL15	SL20	SL21	SL22	SL27	SL30	SL40	SL50
AVX "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	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 50	WVDC 100	WVDC 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

AVX 500 VOLT SKYCAPS**

STYLE*	MAXIMUM CAPACITANCE VALUE	
	C0G (NP0)	X7R
SL29	900 pF	.015 µF
SL20	1800 pF	.033 µF
SL28 SL59	900 pF	.015 µF
SL13 SL21	1800 pF	.033 µF
SL30 SL61 SL65	7200 pF	.12 µF
SL40 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.

Radial Leads/SkyCap®/AR Series

AUTOMOTIVE

GENERAL INFORMATION

AVX AR Series

Conformally Coated Radial Leaded MLC

Temperature Coefficients: C0G (NP0), X7R, X8R

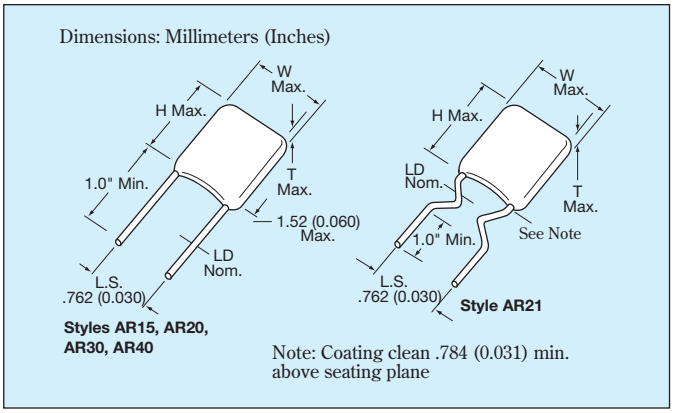
200, 100, 50 Volts

Case Material: Epoxy

Lead Material: RoHS Compliant, 100% Tin

Qualified: to AEC-Q200, PPAP Available

Temperature Range: up to 150ºC



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

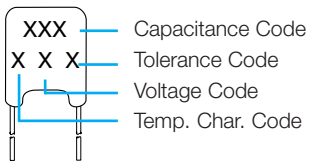
HOW TO ORDER

AR21	5	F	104	M	4	R	TR1
AVX Style	**Voltage** 5 = 50V 1 = 100V 2 = 200V	**Temperature Coefficient** A = C0G (NP0) C = X7R F = X8R	**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% X8R: J = ±5% K = ±10% M = ±20%	**Failure Rate** 4 = AEC-Q200	**Leads** R = RoHS Long Lead 1.0" minimum	**Packaging** Blank = Bulk Packaging T = Trimmed Leads .230"± .030" Bulk packaging TR1 = Tape and Reel Packaging AP1 = Ammopack Packaging See packaging specification page 33-34.

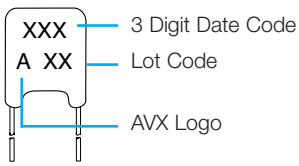
RoHS COMPLIANT

MARKING

FRONT



BACK



PACKAGING REQUIREMENTS

	Quantity per Bag
AR15, 20, 21, 30	1000 Pieces
AR40	500 Pieces

Note: AR15, AR20, AR21, AR30, and AR40 available on tape and reel per EIA specifications RS-468. See pages 33 and 34.

Radial Leads/AR Series

C0G (NP0) Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

	AVX Style	**AR15**			**AR20**			**AR21**		
	AVX "Insertable"	AR07			AR29			AR59		
	Width (W)	3.81 (.150)			5.08 (.200)			5.08 (.200)		
	Height (H)	3.81 (.150)			5.08 (.200)			5.08 (.200)		
	Thickness (T)	2.54 (.100)			3.175 (.125)			3.175 (.125)		
	Lead Spacing (L.S.)	2.54 (.100)			2.54 (.100)			5.08 (.200)		
	Lead Diameter (L.D.)	.508 (.020)			.508 (.020)			.508 (.020)		
Cap in pF	**Industry Preferred Values in Blue**	**WVDC**			**WVDC**			**WVDC**		
		200	**100**	**50**	**200**	**100**	**50**	**200**	**100**	**50**
1	AR_____A1R0D4R									
10	**AR_____A100K4R**									
15	AR_____A150K4R									
22	AR_____A220K4R									
33	AR_____A330K4R									
39	AR_____A390K4R									
47	AR_____A470K4R									
68	AR_____A680K4R									
100	**AR_____A101K4R**									
150	AR_____A151K4R									
220	AR_____A221K4R									
330	AR_____A331K4R									
390	AR_____A391K4R									
470	AR_____A471K4R									
680	AR_____A681K4R									
1,000	**AR_____A102K4R**									
1,500	AR_____A152K4R									
2,200	AR_____A222K4R									
3,900	AR_____A392K4R									
4,700	**AR_____A472K4R**									
6800	AR_____A682K4R									
8200	AR_____A822K4R									

Notes:
"Insertable" make reference to alternative AVX style using the same range of capacitance available on the matrix.
For others Styles, voltages, tolerance and lead lengths see Skycap catalog or contact factory.
Others capacitance values available upon special request.
Others styles available: AR12, AR14, AR62, AR89.

Radial Leads/AR Series

X7R Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic Dimensions: Millimeters (Inches)

	AVX Style	AR15		AR20		AR21		AR30		AR40	
	AVX "Insertable"	AR07		AR29		AR59		AR65		AR75	
	Width (W)	3.81 (.150)		5.08 (.200)		5.08 (.200)		7.62 (.300)		10.16 (.400)	
	Height (H)	3.81 (.150)		5.08 (.200)		5.08 (.200)		7.62 (.300)		10.16 (.400)	
	Thickness (T)	2.54 (.100)		3.175 (.125)		3.175 (.125)		3.81 (.150)		3.81 (.150)	
	Lead Spacing (L.S.)	2.54 (.100)		2.54 (.100)		5.08 (.200)		5.08 (.200)		5.08 (.200)	
	Lead Diameter (L.D.)	.508 (.020)		.508 (.020)		.508 (.020)		.508 (.020)		.508 (.020)	
Cap in pF	Industry Preferred Values in Blue	WVDC 100	50	WVDC 100	50	WVDC 100	50	WVDC 100	50	WVDC 100	50
470	AR_____C471K4R	■	■								
1000	**AR_____C102K4R**	■	■	■	■	■	■				
1500	AR_____C152K4R	■	■	■	■	■	■				
2200	AR_____C222K4R	■	■	■	■	■	■				
3300	AR_____C332K4R	■	■	■	■	■	■				
4700	AR_____C472K4R	■	■	■	■	■	■				
6800	AR_____C682K4R	■	■	■	■	■	■				
10,000	**AR_____C103K4R**	■	■	■	■	■	■				
15,000	AR_____C153K4R	■	■	■	■	■	■				
22,000	AR_____C223K4R	■	■	■	■	■	■				
33,000	AR_____C333K4R	■	■	■	■	■	■				
47,000	AR_____C473K4R	■	■	■	■	■	■				
68,000	AR_____C683K4R	■	■	■	■	■	■				
100,000	**AR_____C104K4R**	■	■	■	■	■	■				
150,000	AR_____C154K4R				■		■				
220,000	AR_____C224K4R				■		■				
330,000	AR_____C334K4R				■		■		■		
390,000	AR_____C394K4R				■		■		■		
470,000	AR_____C474K4R				■		■		■		
680,000	AR_____C684K4R				▭		▭		■	■	
1.0 uF	**AR_____C105K4R**				▭		▭		■	■	
4,700,000	AR_____C475K4R				▭		▭		■		
6,800,000	AR_____C685K4R										
10.0 uF	**AR_____C106K4R**										

▭ = **Extended range with 0.150" thickness maximum**

Notes:
"Insertable" make reference to alternative AVX style using the same range of capacitance available on the matrix.
For others Styles, voltages, tolerance and lead lengths see Skycap catalog or contact factory.
Others capacitance values available upon special request.
Others styles available: AR12, AR14, AR62, AR89, AR32, AR38.

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic Dimensions: Millimeters (Inches)

AVX Style		**AR20**			**AR21**		
AVX "Insertable"		**AR29**			**AR59**		
Width (W)		5.08 (.200)			5.08 (.200)		
Height (H)		5.08 (.200)			5.08 (.200)		
Thickness (T)		3.175 (.125)			3.175 (.125)		
Lead Spacing (L.S.)		2.54 (.100)			5.08 (.200)		
Lead Diameter (L.D.)		.508 (.020)			.508 (.020)		
Cap in pF	**Industry Preferred Values in Blue**	**WVDC 200**	**100**	**50**	**WVDC 200**	**100**	**50**
1,000	AR_____F102K4R						
10,000	AR_____F103K4R						
100,000	AR_____F104K4R						
330,000	AR_____F334K4R						

Notes:
"Insertable" make reference to alternative AVX style using the same range of capacitance available on the matrix.
For others Styles, voltages, tolerance and lead lengths see Skycap catalog or contact factory.
Others capacitance values available upon special request.
Others styles available: AR14, AR62, AR89.

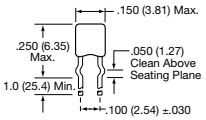
SkyCap®

Configurations by Lead Spacing

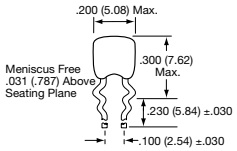
LEAD SPACING .100 ±.030

Dimensions: Inches (Millimeters)

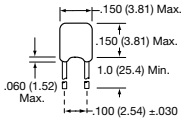
AR07/SR07*
(T=.100)



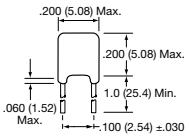
AR14/SR14
(T=.100)



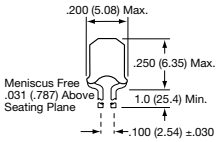
AR15/SR15*
(T=.100)



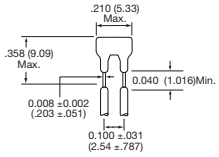
AR20/SR20*
(T=.125)



AR29/SR29*
(T=.125)

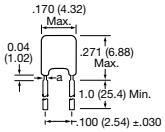


AR62/SR62*
(T=.125)



Leads = #22 AWG

SR62-LP*
(T=.100)

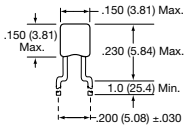


Leads = #22 AWG

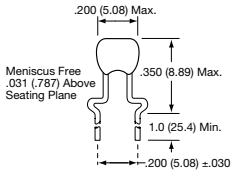
LEAD SPACING .200 ±.030

Dimensions: Inches (Millimeters)

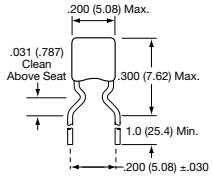
AR12/SR12*
(T=.100)



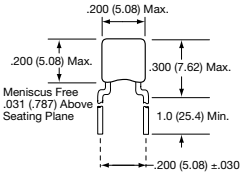
SR13*
(T=.125)



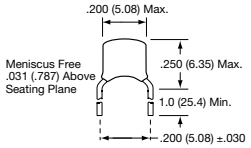
AR21/SR21*
(T=.125)



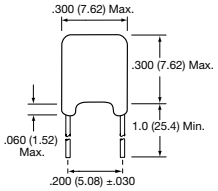
SR21-85*
(T=.125)



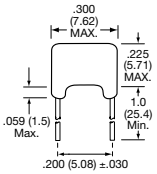
SR28*
(T=.125)



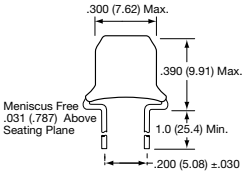
AR30/SR30*
(T=.150)



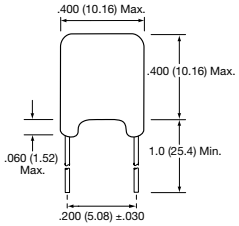
SR30-LP*
(T=.150)



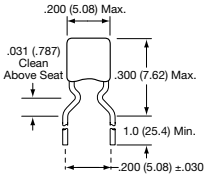
AR32/SR32*
(T=.150)



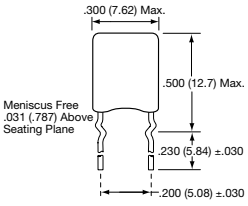
AR40/SR40*
(T=.150)



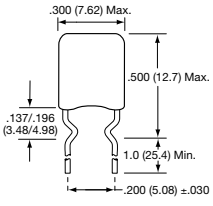
AR59/SR59*
(T=.125)



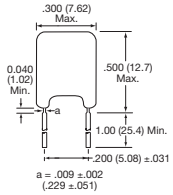
SR61
(T=.150)



SR63*
(T=.150)

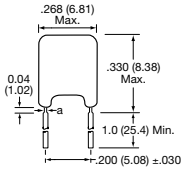


SR64*
(T=.150)



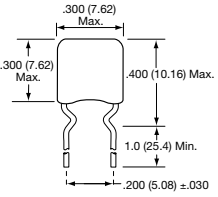
Leads = #22 AWG

SR64-LP*
(T=.150)



Leads = #22 AWG

AR65/SR65*
(T=.150)

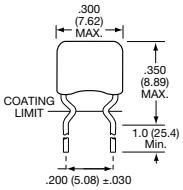


*SL style available in all SR configurations.

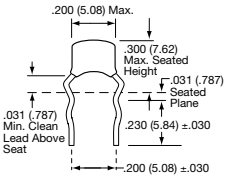
LEAD SPACING .200 ±.030 continued

Dimensions: Inches (Millimeters)

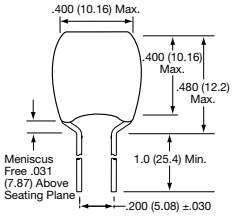
SR65-LP*
(T=.150)



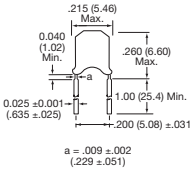
SR67
(T=.125)



AR75/SR75*
(T=.150)
Leads = #22 AWG



AR89/SR89*
(T=.125)

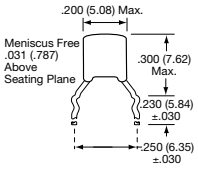


Leads = #22 AWG

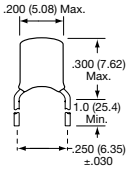
LEAD SPACING .250 ±.030

Dimensions: Inches (Millimeters)

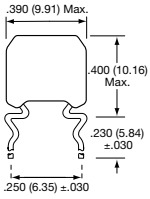
SR16
(T=.125)



AR22/SR22
(T=.125)

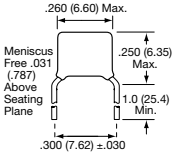


SR33
(T=.150)

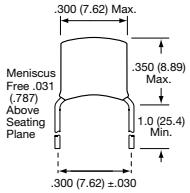


LEAD SPACING .300 ±.030

SR27
(T=.150)

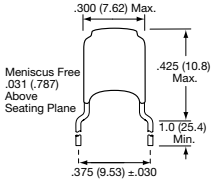


SR34
(T=.150)



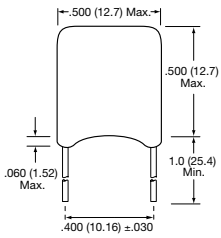
LEAD SPACING .375 ±.030

AR38/SR38*
(T=.150)

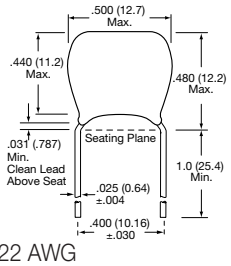


LEAD SPACING .400 ±.030

SR50*
(T=.200)



SR76*
(T=.175)



Leads = #22 AWG

NOTES:
1. All leads are #24 AWG unless otherwise noted.
2. Available in tape and reel packaging(*).
3. Other styles are also available, contact factory.
4. (T = XXX) under type designation is maximum thickness in inches.

*SL style available in all SR configurations.

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