

GENERAL INFORMATION

AVX SR Series

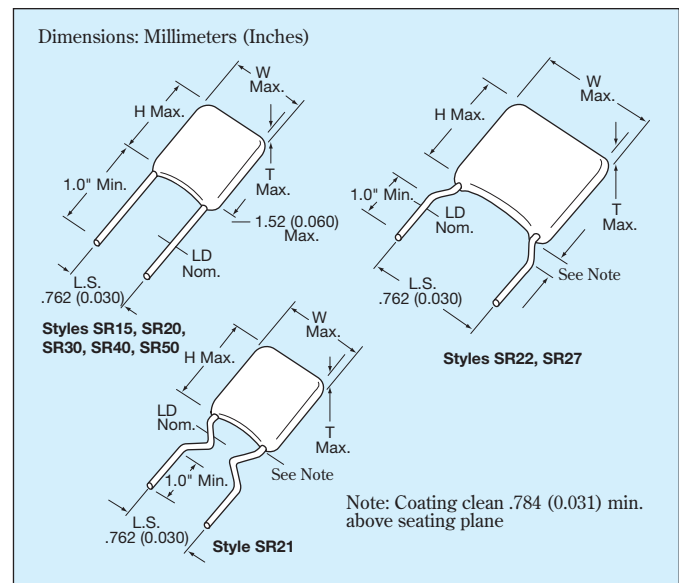
Conformally Coated Radial Ledged MLC

Temperature Coefficients: COG (NP0), X7R, Z5U

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

Case Material: Epoxy

Lead Material: RoHS Compliant, 100% Tin



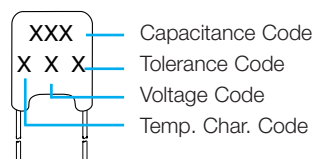
HOW TO ORDER

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 = COG (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 COG (NP0): C = $\pm 0.25\text{pF}$ D = $\pm 0.5\text{pF}$ F = $\pm 1\%$ ($>50\text{pF}$ only) G = $\pm 2\%$ ($>25\text{pF}$ only) J = $\pm 5\%$ K = $\pm 10\%$ X7R: J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$ Z5U: M = $\pm 20\%$ Z = $+80\%$ -20%	Failure Rate A = Not Applicable	Leads R = RoHS Long Lead 1.0" minimum	Packaging Blank = Bulk Packaging T = Trimmed Leads .230" $\pm$.030" Bulk packaging TR1 = Tape and Reel Packaging AP1 = Ammopack Packaging See packaging specification page 33-34.

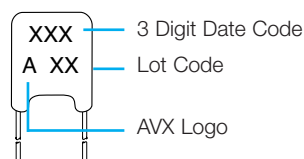


MARKING

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.* Industry Preferred pF Values in Blue		WVDC 200 100 50			WVDC 200 100 50			WVDC 200 100 50			WVDC 200 100 50			WVDC 200 100 50			WVDC 100 50			WVDC 100 50			WVDC 100 50		
1.0-9.9 10 15	SR151A1R0DAR																								
	SR151A100KAR																								
	SR.....A150KAR																								
22 33 39	SR.....A220KAR																								
	SR.....A330KAR																								
	SR.....A390KAR																								
47 68 100	SR.....A470KAR																								
	SR.....A680KAR																								
	SR151A101KAR																								
150 220 330	SR.....A151KAR																								
	SR.....A221KAR																								
	SR.....A331KAR																								
390 470 680	SR.....A391KAR																								
	SR.....A471KAR																								
	SR.....A681KAR																								
1000 1500 2200	SR211A102KAR																								
	SR.....A152KAR																								
	SR.....A222KAR																								
3900 4700 6800	SR.....A392KAR																								
	SR.....A472KAR																								
	SR.....A682KAR																								
8200 10,000 15,000	SR.....A822KAR																								
	SR305A103KAR																								
	SR-----A153KAR																								
22,000 33,000 39,000	SR.....A223KAR																								
	SR.....A333KAR																								
	SR.....A393KAR																								
47,000 68,000 100,000	SR.....A473KAR																								
	SR.....A683KAR																								
	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.* Industry Preferred pF Values in Blue	WVDC			WVDC			WVDC			WVDC			WVDC			WVDC			
	200	100	50	200	100	50	200	100	50	100	50	100	50	200	100	50	200	100	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.* Industry Preferred pF 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 SR15E103ZAR								
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

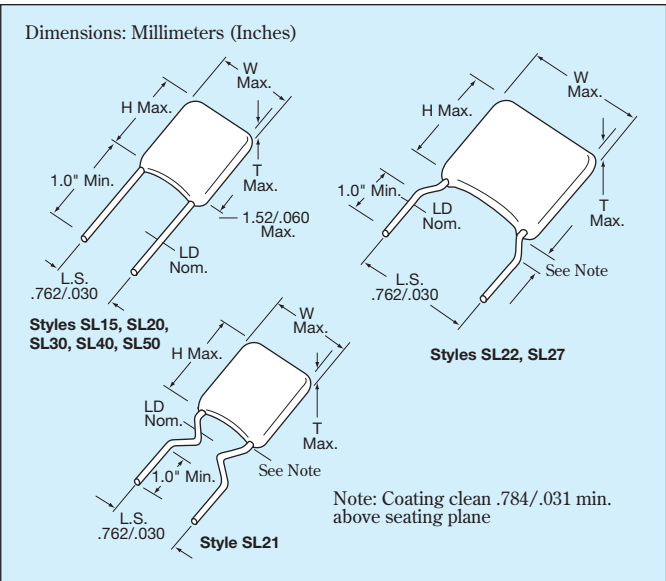
Conformally Coated Radial Ledged MLC

Temperature Coefficients: C0G (NP0), X7R, Z5U

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

Case Material: Epoxy

Lead Material: Solderable Sn/Pb



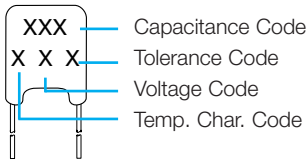
HOW TO ORDER

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 = ± 25 pF D = ± 5 pF F = $\pm 1\%$ (>50pF only) G = $\pm 2\%$ (>25pF only) J = $\pm 5\%$ K = $\pm 10\%$	X7R: J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$ Z5U: M = $\pm 20\%$ Z = $+80\%$ -20%	A = Not Applicable B = Leads Sn/Pb (Tin lead product)	Blank = Bulk Packaging T = Trimmed Leads .230" $\pm$.030" Bulk packaging TR1 = Tape and Reel Packaging AP1 = Ammopack Packaging See packaging specification page 33-34.

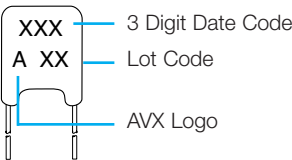
Not RoHS Compliant

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.* Industry Preferred pF Values in Blue		WVDC 200 100 50			WVDC 200 100 50			WVDC 200 100 50			WVDC 200 100 50			WVDC 200 100 50			WVDC 100 50			WVDC 100 50			WVDC 100 50		
1.0-9.9 10 15	SL151A1R0DAB SL151A100KAB SL-----A150KAB																								
22 33 39	SL-----A220KAB SL-----A330KAB SL-----A390KAB																								
47 68 100	SL-----A470KAB SL-----A680KAB SL151A101KAB																								
150 220 330	SL-----A151KAB SL-----A221KAB SL-----A331KAB																								
390 470 680	SL-----A391KAB SL-----A471KAB SL-----A681KAB																								
1000 1500 2200	SL211A102KAB SL-----A152KAB SL-----A222KAB																								
3900 4700 6800	SL-----A392KAB SL-----A472KAB SL-----A682KAB																								
8200 10,000 15,000	SL-----A822KAB SL305A103KAB SL-----A153KAB																								
22,000 33,000 39,000	SL-----A223KAB SL-----A333KAB SL-----A393KAB																								
47,000 68,000 100,000	SL-----A473KAB SL-----A683KAB 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			WVDC			WVDC			WVDC			WVDC			WVDC			
		200	100	50	200	100	50	200	100	50	100	50	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.* Industry Preferred pF 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

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: COG (NP0), X7R, X8R

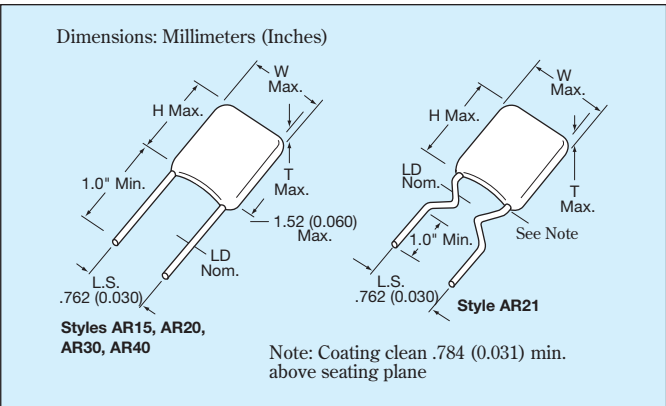
200, 100, 50 Volts

Case Material: Epoxy

Lead Material: RoHS Compliant, 100% Tin

Qualified: to AEC-Q200, PPAP Available

Temperature Range: up to 150°C



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

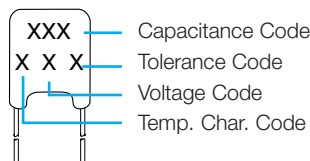
HOW TO ORDER

AR21	5	F	104	M	4	R	TR1
AVX Style	Voltage	Temperature Coefficient	Capacitance	Capacitance Tolerance	Failure Rate	Leads	Packaging
	5 = 50V 1 = 100V 2 = 200V	A = COG (NP0) C = X7R F = X8R	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)	COG (NP0): C = $\pm 0.25\text{pF}$ D = $\pm 0.5\text{pF}$ F = $\pm 1\%$ ($>50\text{pF}$ only) G = $\pm 2\%$ ($>25\text{pF}$ only) J = $\pm 5\%$ K = $\pm 10\%$	X7R: J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$ X8R: J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$	R = RoHS Long Lead 1.0" minimum	Blank = Bulk Packaging T = Trimmed Leads .230" $\pm$.030" Bulk packaging TR1 = Tape and Reel Packaging AP1 = Ammopack Packaging See packaging specification page 33-34.

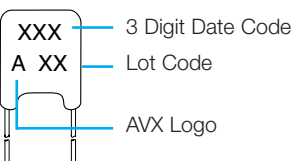


MARKING

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.

Radial Leads/AR Series



X8R Dielectric

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			WVDC		
		200	100	50	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.



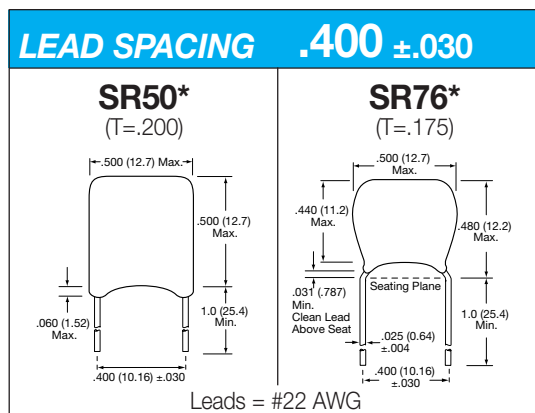
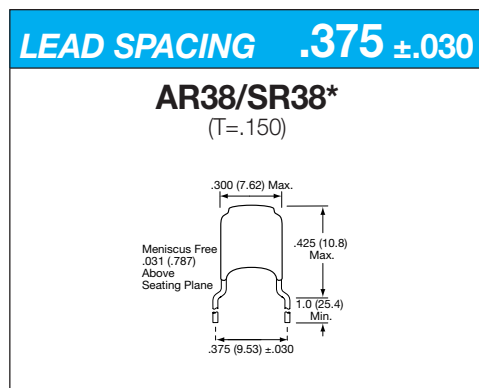
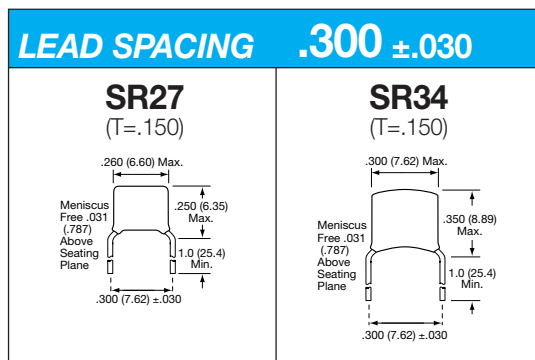
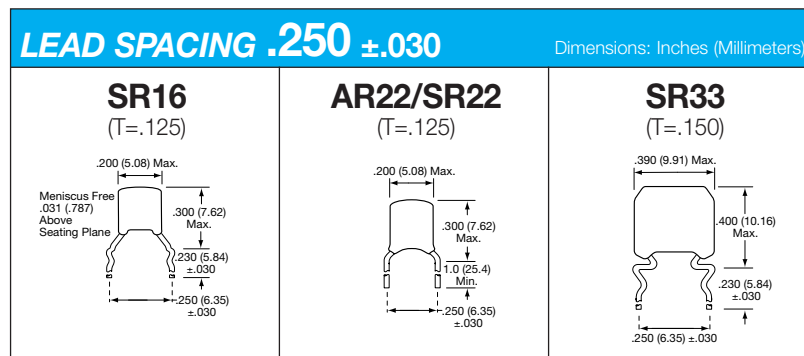
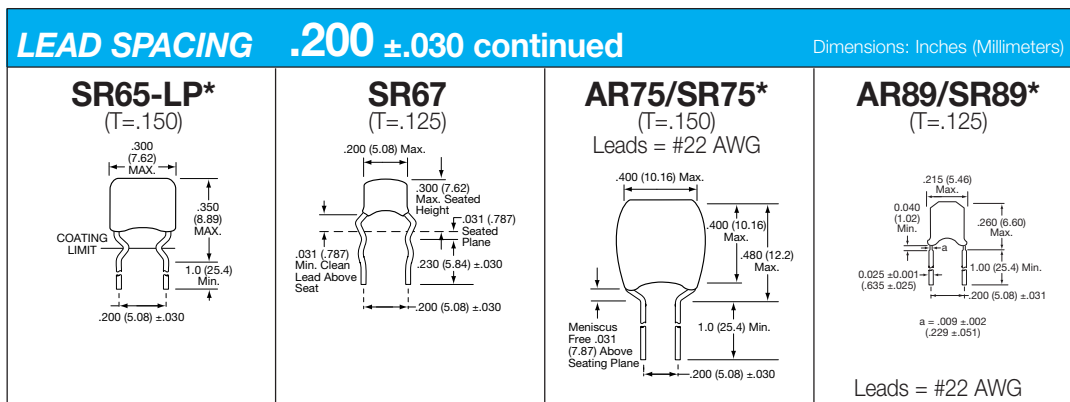
Configurations by Lead Spacing

LEAD SPACING $.100 \pm .030$				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) 	SR62-LP* (T=.100) 	Leads = #22 AWG	

LEAD SPACING $.200 \pm .030$					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) 	SR64-LP* (T=.150) 	AR65/SR65* (T=.150) 	Leads = #22 AWG

*SL style available in all SR configurations.

Configurations by Lead Spacing



- 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.