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Stocking Distributor

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[AVX Corporation](#)

[SL151A100JAB](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

Radial Leads/SkyCap®/SL Series



GENERAL INFORMATION

AVX SL Series

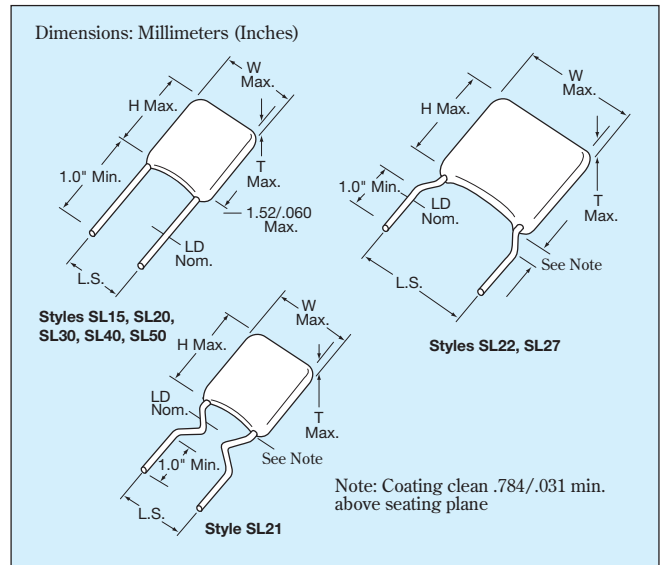
Conformally Coated Radial Leaded MLC

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

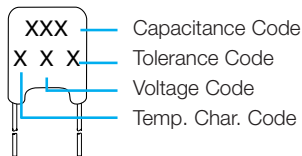
SL21	5	E	104	M	A	B	TR1
AVX Style	Voltage	Temperature Coefficient	Capacitance	Capacitance Tolerance	Failure Rate	Leads	Packaging
SL15 SL20 SL21 SL22 SL27 SL30 SL40 SL50	5 = 50V 1 = 100V 2 = 200V 9 = 300V 8 = 400V 7 = 500V	A = C0G (NP0) C = X7R E = Z5U	First two digits are the significant figures of capacitance. 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.

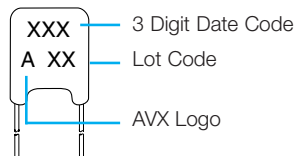
Not RoHS Compliant

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)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	
Height (H)		3.81 (.150)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	5.08 (.200)	
Thickness (T)		2.54 (.100)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	3.175 (.125)	
Lead Spacing (L.S.)		2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	2.54 (.100)	
Lead Diameter (L.D.)		.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	
Cap. in.* Industry Preferred Values in Blue	pF	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

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.* Industry Preferred Values in Blue		WVDC			WVDC			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	200	100	50	200	100	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

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		WVDC		WVDC		WVDC		WVDC		WVDC		WVDC		WVDC	
		100	50	100	50	100	50	100	50	100	50	100	50	100	50	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	
	COG (NP0)	X7R
SL29	900 pF	.015 µF
SL20	1800 pF	.033 µF
SL28	900 pF	.015 µF
SL59		
SL13	1800 pF	.033 µF
SL21		
SL30	7200 pF	.12 µF
SL61		
SL65		
SL40	.015 µF	.27 µF
SL75		
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.