



GENERAL INFORMATION

AR Series

Conformally Coated Radial Leaded MLC

Temperature Coefficients: C0G (NP0), X7R, X8R

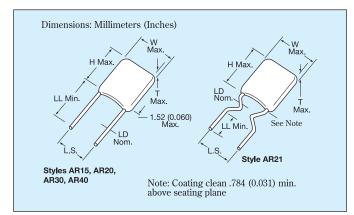
3000, 2000, 1000, 200, 100, 50 Volts

Case Material: Epoxy

Lead Material: RoHS Compliant, 100% Tin

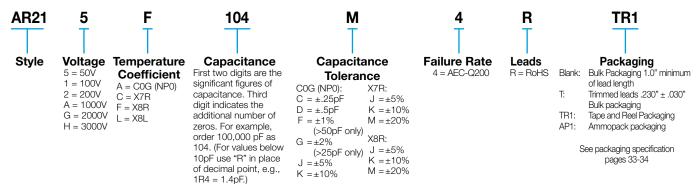
Qualified: to AEC-Q200, PPAP Available

Temperature Range: up to 150°C



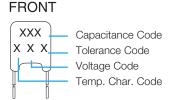
Drawings are for illustrative purposes only. Actual lead form shape could vary within stated tolerances based on body size.

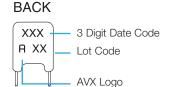
HOW TO ORDER





MARKING





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.

COG (NP0) Dielectric



SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

EIA Characteristic Dimensions: Millimeters (in									iriches		
Style			AR15			AR20			AR21		
"Insertable"			AR07			AR29			AR59		
	Width			3.81		5.08			5.08		
	(W)		(.150)			(.200)		(.200)			
	Height		3.81			5.08		5.08			
	(H)		(.150)			(.200)		(.200)			
	Thickness		2.54			3.175		3.175			
	(T)		(.100) 2.54			(.125) 2.54			(.125) 5.08		
	Lead Spacing (L.S.)		(.100)			(.100)			(.200)		
	Lead Diameter		.508			.508			.508		
	(L.D.)		(.020)			(.020)			(.020)		
Cap.	Industry Preferred		WVDC			WVDC		WVDC			
in. pF	Values in Blue	200	100	50	200	100	50	200	100	50	
1	ARA1R0D4R										
10	ARA100K4R										
15	ARA150K4R										
22	ARA220K4R										
33	ARA330K4R										
39	ARA390K4R										
47	ARA470K4R										
68	ARA680K4R										
100	ARA101K4R										
150	ARA151K4R										
220	ARA221K4R										
330	ARA331K4R										
390	ARA391K4R										
470	ARA471K4R										
680	ARA681K4R										
1,000	ARA102K4R										
1,500	ARA152K4R										
2,200	ARA222K4R										
3,900	ARA392K4R										
4,700	ARA472K4R										
6800	ARA682K4R										
8200	ARA822K4R	ve KYC	CERA	AVX st	de usin	a the s		nge of	capacit		

ble 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.





SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

EIA CHAFACIEH	Suc					D	1111611210	ואו .פו וע	IIII I I I I I I I	315 (1110	1162)
	Style	AR	15	AR	20	AR	21	AR	30	AR	40
"Insertable"		AR	07	AR	29	AR	159	AR	65	AR	75
	Width		th 3.81 5.08		5.	5.08		7.62		10.16	
	(W)	(.150)		(.2	(.200)		(.200)		00)	(.400)	
	Height	3.		-	80		80		62	_	.16
	(H)	(.1	50)	(.2	(.200)		00)	(.3	00)	(.4)	00)
	Thickness	2.			75	-	75	3.		3.	
	(T)	(.10			25)	<u> </u>	25)	(.1			50)
	Lead Spacing	2.			54		08		08	_	80
	(L.S.)	(.10		-	00)	$\overline{}$	00)	(.2		$\overline{}$	00)
	Lead Diameter	.50			08		08		08		80
	(L.D.)	(.0:			20)		20)		20)		20)
Cap.	Industry Preferred	WV		WV			/DC	WV		WVDC	
in. pF	Values in Blue	100	50	100	50	100	50	100	50	100	50
470	ARC471K4R							<u> </u>			
1000	ARC102K4R										
1500	ARC152K4R										
2200	ARC222K4R										
3300	ARC332K4R							-		-	
4700	ARC472K4R										<u> </u>
6800	ARC682K4R							<u> </u>			
10,000	ARC103K4R										
15,000	ARC153K4R										
22,000	ARC223K4R										
33,000	ARC333K4R							<u> </u>			-
47,000	ARC473K4R									\vdash	—
68,000 100,000	ARC683K4R ARC104K4R										<u> </u>
150,000	ARC104K4R									_	<u> </u>
220,000	ARC224K4R			\vdash				_		\vdash	
330,000	ARC224K4R ARC334K4R							-			
390,000	ARC394K4R			-		-		-		-	<u> </u>
470,000	ARC474K4R			\vdash							_
680,000	ARC684K4R										
1.0 uF	ARC105K4R					\vdash					
4,700,000	ARC475K4R										
6,800,000	ARC685K4R										
10.0 uF	ARC106K4R					t	<u> </u>	i –			

= Extended range with 0.150" thickness maximum

Notes:

"Insertable" make reference to alternative KYOCERA 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.

X8R Dielectric "F"



GENERAL INFORMATION

AR Series

Conformally Coated Radial Leaded MLC

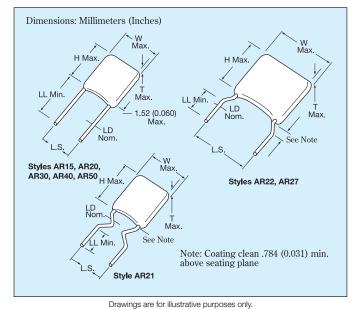
Temperature Coefficients: COG (NPO), X7R, X8R

200, 100, 50 Volts

Case Material: Epoxy

Lead Material: Solderable Qualified: to AEC-Q200

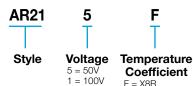
Temperature Range: up to 150°C



HOW TO ORDER

Actual lead form shape could vary within stated tolerances based on body size.

104



2 = 200V

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

Capacitance

place of decimal point, e.g., 1R4 = 1.4pF.)



X8R: $J = \pm 5\%$ $K = \pm 10\%$ $M = \pm 20\%$

M



Leads 4 = AEC-Q200R = RoHS TR1

Packaging Blank: Bulk Packaging 1.0" minimum

of lead length

T: Trimmed leads .230" ± .030" Bulk packaging Tape and Reel Packaging TR1:

AP1: Ammopack packaging

> See packaging specification pages 33-34



MARKING

FRONT BACK XXX XXX 3 Digit Date Code Capacitance Code X X XA XX Tolerance Code Lot Code Voltage Code Temp. Char. Code AVX Logo

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.





SIZE AND CAPACITANCE SPECIFICATIONS

EIA CharacteristicDimensions: Millimeters (Inches)

	Style AR20 AR21							
		AR29		AR59				
	5.08 (.200)			5.08 (.200)				
		5.08 (.200)		5.08 (.200)				
	Thickness (T)			3.175 (.125)				
	2.54 (.100)			5.08 (.200)				
	Lead Diameter (L.D.)	(\			.508 (.020)			
Cap.	Industry Preferred		WVDC			WVDC		
in. pF	Values in Blue	200	100	50	200	100	50	
1,000	ARF102K4R							
10,000	ARF103K4R							
100,000	ARF104K4R							
330,000	ARF334K4R		CEDA AV					

"Insertable" make reterence to alternative KYOCERA 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.





STYLES AND CAPACITANCE SPECIFICATIONS

EIA Chacteristics

EIA CHacteristics										
	Style	AR	15	AR	20	AR	21			
"Insertable"		AR07		AR29		AR59				
Cap. in pF	Industry Preferred		WVDC		WVDC		DC			
	Values	100	50	100	50	100	50			
470	ARL471K4R									
1,000	ARL102K4R									
1,500	ARL152K4R									
2,200	ARL222K4R									
3,300	ARL332K4R									
4,700	ARL472K4R									
6,800	ARL682K4R									
10,000	ARL103K4R									
15,000	ARL153K4R									
22,000	ARL223K4R									
33,000	ARL333K4R									
47,000	ARL473K4R									
68,000	ARL683K4R									
100,000	ARL104K4R									
150,000	ARL154K4R									
220,000	ARL224K4R									
330,000	ARL334K4R									
390,000	ARL394K4R									
470,000	ARL474K4R									
680,000	ARL684K4R									
1.0 uF	ARL105K4R									
1,500,000	ARL155K4R									
2,200,000	ARL225K4R									
3,300,000	ARL335K4R									



High Voltage Automotive Product SkyCap Capacitors - X7R Dielectric

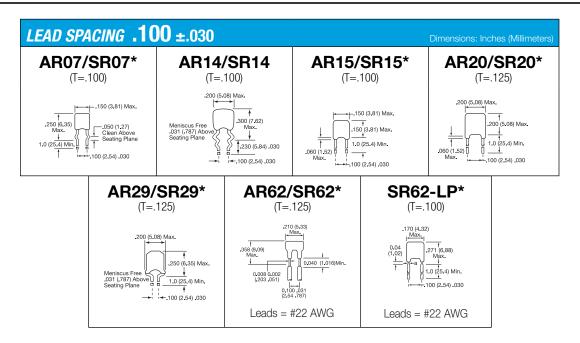
SIZE AND CAPACITANCE SPECIFICATIONS

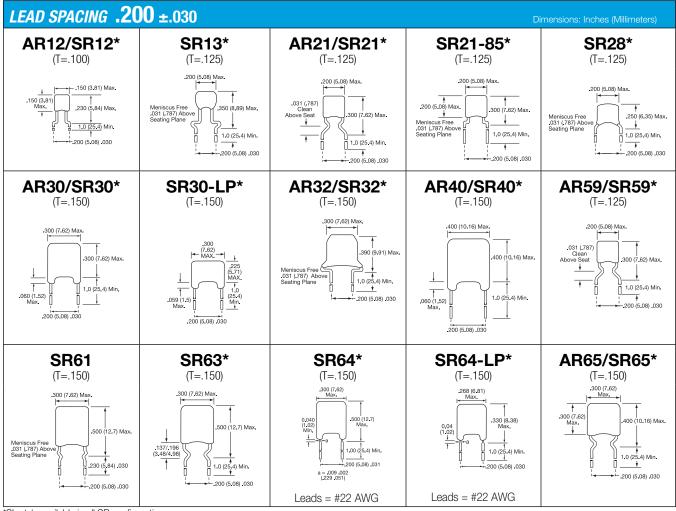
EIA CharacteristicDimensions: Millimeters (Inches)

	Style	AR20	AR21	AR22	AR27	AR	30
	"Insertable"	AR29	AR59	N/A	N/A	AR	65
Cap. in. pF	Industry Preferred Values in Blue	WVDC 1000	WVDC 1000	WVDC 1000	WVDC 1000	2000	3000
470	ARC471K4R						
1000	ARC102K4R						
1500	ARC152K4R						
2200	ARC222K4R						
3300	ARC332K4R						
4700	ARC472K4R						
6800	ARC682K4R						
10,000	ARC103K4R						
15,000	ARC153K4R						
22,000	ARC223K4R						
47,000	ARC473K4R						

For others Styles, voltages, tolerance and lead lengths see Skycap catalog or contact factory.



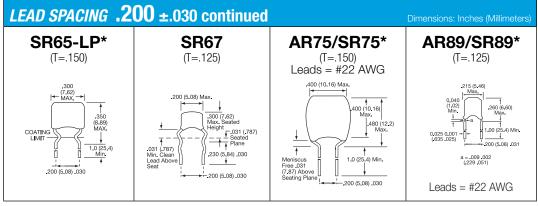


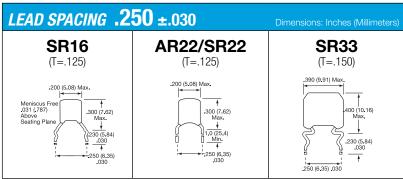


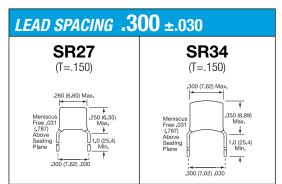
^{*}SL style available in all SR configurations.

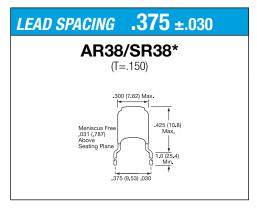


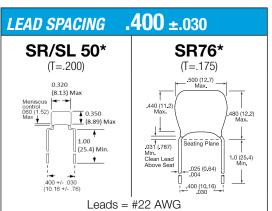












NOTES: 1. All leads are #24 AWG unless otherwise noted.

- 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.

Drawings are for illustrative purposes only.



Actual lead form shape could vary within stated tolerances based on body size.

^{*}SL style available in all SR configurations.