

EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at <u>www.hestore.hu</u>.

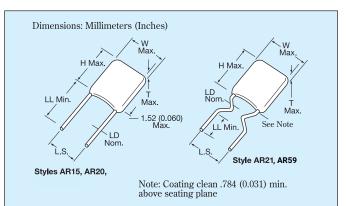
SkyCap®/AR Automotive Series - C0G (NPO) Dielectric



RoHS COMPLIANT

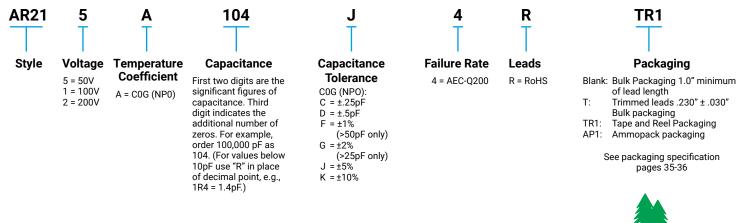
GENERAL INFORMATION

AR Series Conformally Coated Radial Leaded MLC Temperature Coefficients: COG (NPO) 200, 100, 50 Volts Case Material: Epoxy Lead Material: RoHS Compliant, 100% Tin Qualified: to AEC-Q200, PPAP Available Temperature Range: up to 125°C



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

HOW TO ORDER



MARKING

FRONT

xxx	- Capacitance Code
x x x	Tolerance Code
╟╼╢	- Voltage Code
IIIIII	- Temp. Char. Code

BACK

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PACKAGING REQUIREMENTS

	Quantity per Bag
AR15, 20, 21, 07, 29, 59	1000 Pieces

Note: AR15, 20, 21, 07, 29, and 59 are available on tape and reel per EIA specifications RS-468. See pages 35 and 36.

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KY<u>OCERa</u>

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic Dimensions: Millimeters (Inches)										
	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) Thickness		(.150) 2.54			<u>(.200)</u> 3.175			<u>(.200)</u> 3.175	
	(T)		(.100)			(.125)			(.125)	
	Lead Spacing		2.54			2.54			5.08	
	(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		1							
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									

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.

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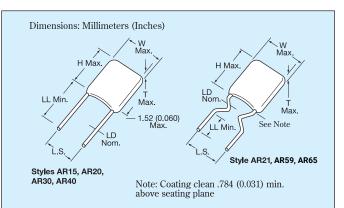
SkyCap®/AR Automotive Series - X7R Dielectric



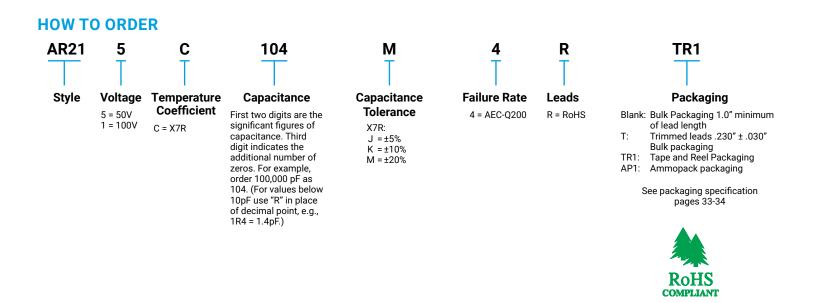
GENERAL INFORMATION

AR Series Conformally Coated Radial Leaded MLC Temperature Coefficients: X7R 100, 50 Volts Case Material: Epoxy Lead Material: RoHS Compliant, 100% Tin Qualified: to AEC-Q200, PPAP Available

Temperature Range: up to 125°C



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



MARKING

FRONT

xxx	Capacitance Code
x x x	Tolerance Code
	Voltage Code Temp. Char. Code

BACK



PACKAGING REQUIREMENTS

	Quantity per Bag
AR07, 15, 20, 29, 21, 59, 30, 65	1000 Pieces
AR40, 75	500 Pieces

Note: All styles above are available on tape and reel per EIA specifications RS-468. See pages 33 and 34.

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SkyCap®/AR Automotive Series - X7R Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic Dimensions: Millimeters (Inches)											
	Style	AR	15	AR	20	AR	21	AR	30	AR	40
	"Insertable"	AR	07	AR	29	AR	59	AR	65	AR	75
	Width	3.8	31	5.	08	5.	08	7.	62	10	.16
	(W)	(.15	50)	(.2	00)	(.2	00)		00)	(.4	00)
	Height	3.8		-	08		80		62	-	.16
	(H)	(.15		,	00)	(.2		<u>`</u>	00)	(.4	00)
	Thickness	2.5		-	75	3.1		3.		3.	
	(T)	(.10		\`	25)	(.12		<u>`</u>	50)	,	50)
	Lead Spacing	2.			54	5.		-	80	-	80
	(L.S.)	(.10		<u> </u>	00)	(.2			00)		00)
	Lead Diameter	.50		-	08	-	08		08	-	08
•	(L.D.)	(.02	· ·	\ \	20)	(.0)	<u> </u>	<u>`</u>	20)	``	20)
Cap.	Industry Preferred Values in Blue	WV 100		100	DC 50	WV 100	DC 50	100	DC	WV 100	50
in. pF 470	ARC471K4R	100	50	100	50	100	ວບ	100	50	100	50
1000	ARC471K4R										
1500	ARC102K4K										
2200	ARC222K4R										
3300	ARC332K4R										
4700	ARC472K4R										
6800	ARC682K4R										
10,000	ARC103K4R										
15,000	ARC153K4R										
22,000	ARC223K4R										
33,000	ARC333K4R										[
47,000	ARC473K4R										í – – – – – – – – – – – – – – – – – – –
68,000	ARC683K4R										
100,000	ARC104K4R										
150,000	ARC154K4R										
220,000	ARC224K4R										
330,000	ARC334K4R										
390,000	ARC394K4R										<u> </u>
470,000	ARC474K4R		ļ	L							<u> </u>
680,000	ARC684K4R										
1.0 uF	ARC105K4R		ļ								Ĺ
4,700,000	ARC475K4R										
6,800,000	ARC685K4R										
10.0 uF	ARC106K4R										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.

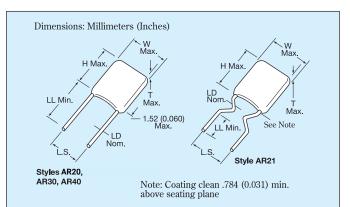
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SkyCap[®]/AR Automotive Series - X7R Dielectric High Voltage



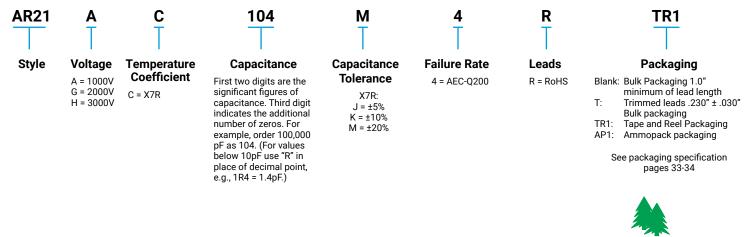
GENERAL INFORMATION

AR Series Conformally Coated Radial Leaded MLC Temperature Coefficients: X7R 3000, 2000, 1000 Volts Case Material: Epoxy Lead Material: RoHS Compliant, 100% Tin Qualified: to AEC-Q200, PPAP Available Temperature Range: up to 125°C



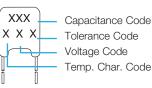
Drawings are for illustrative purposes only. Actual lead form shape could vary within stated tolerances based on body size.

HOW TO ORDER



MARKING

FRONT



BACK



PACKAGING REQUIREMENTS

	Quantity per Bag
AR20, 21, 30	1000 Pieces
AR40	500 Pieces

RoHS COMPLIANT

Note: AR20, AR21, AR30, and AR40 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							(Inches)
	Style	AR20	AR21	AR21 AR22 AR27			30
	"Insertable"	AR29	AR59	N/A	N/A	AR	65
Cap.	Industry Preferred	WVDC	WVDC	WVDC	WVDC	WV	'DC
in. pF	Values in Blue	1000	1000	1000	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						
68,000	ARC683K4R						

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

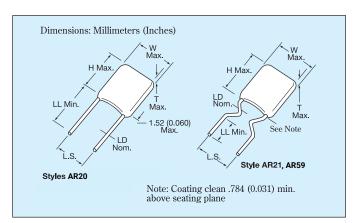
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SkyCap[®]/AR Automotive Series - X8R Dielectric



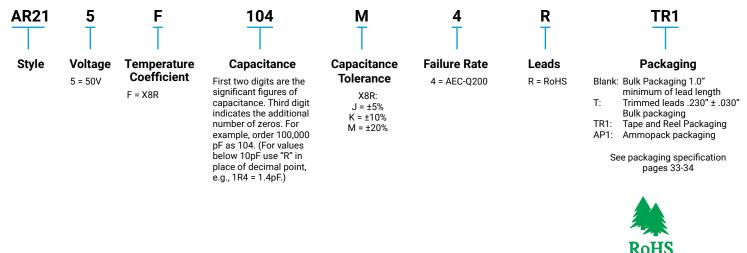
GENERAL INFORMATION

- AR Series Conformally Coated Radial Leaded MLC Temperature Coefficients: X8R 50 Volts Case Material: Epoxy Lead Material: Solderable Qualified: to AEC-Q200
- Temperature Range: up to 150°C



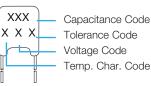
Drawings are for illustrative purposes only. Actual lead form shape could vary within stated tolerances based on body size.

HOW TO ORDER



MARKING

FRONT



BACK

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PACKAGING REQUIREMENTS

	Quantity per Bag
AR29, 20, 21, 59	1000 Pieces

COMPLIANT

Note: AR29, 20, 21, 59 are available on tape and reel per EIA specifications RS-468. See pages 33 and 34.

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SkyCap®/AR Automotive Series - X8L Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characte	eristic		D	imensio	ns: Milli	meters (Inches)	
Style		AR20			AR21			
	"Insertable"		AR29			AR59		
	Width (W)		5.08 (.200)		5.08 (.200)			
Height (H)			5.08 (.200)		5.08 (.200)			
	Thickness (T)							
	Lead Spacing (L.S.)		2.54 (.100)			5.08 (.200)		
	Lead Diameter (L.D.)	.508 (.020)			.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							

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: AR14, AR62, AR89.

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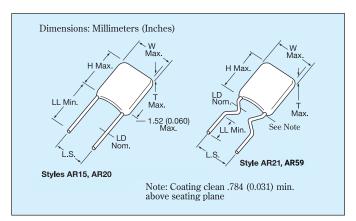


SkyCap®/AR Automotive Series - X8L Dielectric



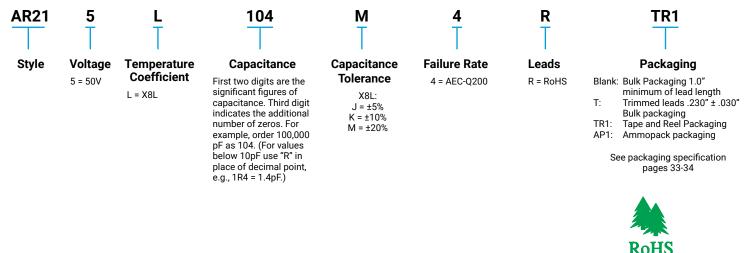
GENERAL INFORMATION

- AR Series Conformally Coated Radial Leaded MLC Temperature Coefficients: X8L 100, 50 Volts Case Material: Epoxy Lead Material: Solderable Qualified: to AEC-Q200
- Temperature Range: up to 150°C



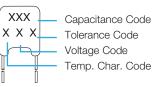
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HOW TO ORDER



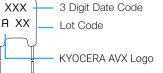
MARKING

FRONT



BACK

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PACKAGING REQUIREMENTS

	Quantity per Bag
AR07, 15, 20, 29, 21, 59	1000 Pieces

COMPLIANT

Note: AR07, 15, 20, 29, 21, 59 are available on tape and reel per EIA specifications RS-468. See pages 33 and 34.

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STYLES AND CAPACITANCE SPECIFICATIONS

EIA Chacteristics

	Style	AR	15	AR	20	AR	21
"Iı	nsertable"		AR07		AR29		59
Cap. in pF	Industry Preferred	W٧	/DC	W٧	DC	WV	DC
Сар. шрг	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						

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