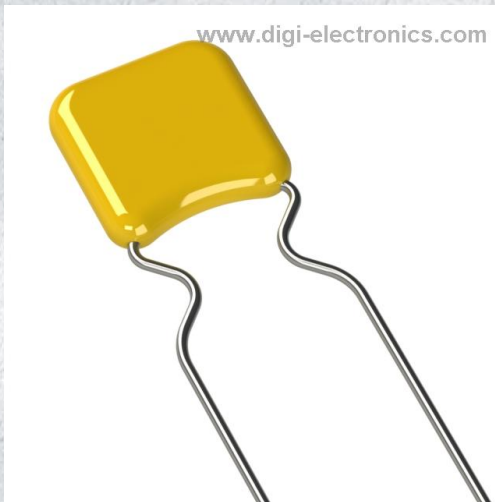


SR215E334MARTR2 Datasheet



<https://www.DiGi-Electronics.com>

DiGi Electronics Part Number	SR215E334MARTR2-DG
Manufacturer	KYOCERA AVX
Manufacturer Product Number	SR215E334MARTR2
Description	CAP CER 0.33UF 50V Z5U RADIAL
Detailed Description	0.33 μ F \pm 20% 50V Ceramic Capacitor Z5U Radial

This model SR215E334MARTR2 is available at DiGi Electronics.

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Purchase and inquiry

Manufacturer Product Number:

SR215E334MARTR2

Series:

SkyCap® SR

Capacitance:

0.33 µF

Voltage - Rated:

50V

Operating Temperature:

10°C ~ 85°C

Ratings:

-

Mounting Type:

Through Hole

Size / Dimension:

0.200" L x 0.125" W (5.08mm x 3.18mm)

Thickness (Max):

-

Lead Style:

Formed Leads - Kinked

Manufacturer:

KYOCERA AVX

Product Status:

Active

Tolerance:

±20%

Temperature Coefficient:

Z5U

Features:

-

Applications:

General Purpose

Package / Case:

Radial

Height - Seated (Max):

0.300" (7.62mm)

Lead Spacing:

0.200" (5.08mm)

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8532.24.0060

Moisture Sensitivity Level (MSL):

Not Applicable

ECCN:

EAR99



RADIAL LEADS

SkyCap®/SR Series

GENERAL INFORMATION

SR Series

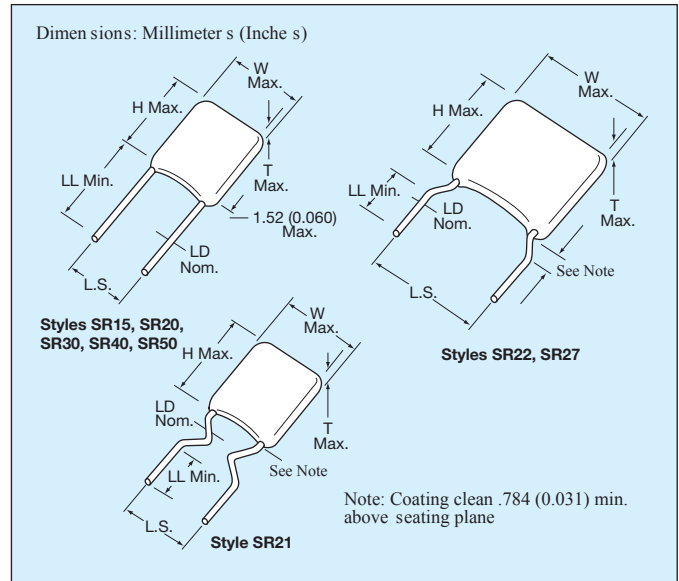
Conformally Coated Radial Leaded MLC

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

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):
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%

Failure Rate

A = Not Applicable

Leads

R = RoHS

Packaging

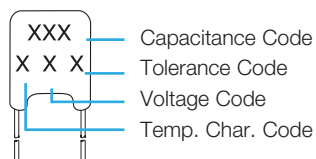
Blank: Bulk Packaging 1.0" minimum of lead length
T: Trimmed leads .230" ± .030"
Bulk packaging
TR1: Tape and Reel Packaging
AP1: Ammopack packaging

See packaging specification pages 33-34

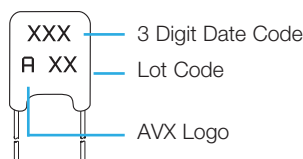


MARKING

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

COG (NP0) Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic

Dimensions: Millimeters (Inches)

Style	SR15	SR20	SR21	SR22	SR27	SR30	SR40	SR50															
"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)	8.13 (.320)															
Height (H)	3.81 (.150)	5.08 (.200)	5.08 (.200)	5.08 (.200)	6.35 (.250)	7.62 (.300)	10.16 (.400)	8.89 (.350)															
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)	10.92 (.430)															
Lead Diameter (L.D.)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	25.4 (1.00)															
Cap. in.* pF	Industry Preferred Values in Blue	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	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	SR....A103KAR			■	■	■		■		■	■	■		■		■							
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

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 KYOCERA AVX Multilayer Ceramic Leaded Capacitors Catalog.

RADIAL LEADS

Z5U Dielectric

SIZE AND CAPACITANCE SPECIFICATIONS

EIA Characteristic


Dimensions: Millimeters (Inches)

Style	SR15	SR20	SR21	SR22	SR27	SR30	SR40	SR50								
"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)	8.13 (.320)								
Height (H)	3.81 (.150)	5.08 (.200)	5.08 (.200)	5.08 (.200)	6.35 (.250)	7.62 (.300)	10.16 (.400)	8.89 (.350)								
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)	10.92 (.430)								
Lead Diameter (L.D.)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	.508 (.020)	25.4 (1.00)								
Cap. in.* pF	Industry Preferred Values in Blue		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	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 KYOCERA AVX Multilayer Ceramic Leaded Capacitors Catalog.

500 VOLT SKYCAPS**

STYLE*	MAXIMUM CAPACITANCE VALUE	
	C0G (NPO)	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

*Consult pages 27 and 28 for style sizes.

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

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