



Vishay Sprague vs. Vishay BCcomponents Part Numbers for Radial Leaded Multilayer Ceramic Capacitors for General Purpose

MULTILAYER CERAMIC DIPPED RADIAL CAPACITORS					
C-VALUE (pF)	VOLT	PITCH (mm)	VISHAY SPRAGUE ⁽¹⁾	PITCH ± 0.8 (mm)	VISHAY BCcomponents/ CLEARTEXT ⁽¹⁾
100 000	50 V	7.62	1C30Z5U104M050B	7.50	K104M15X7RF53H7
100 000	50 V	2.54	1C10Z5U104M050R	2.54	K104M15X7RF5TL2
100 000	50 V	5.00	1C20Z5U104M050R	5.00	K104M15X7RF5TH5
100 000	50 V	2.54	1C10X7R104K050B	2.54	K104K15X7RF53L2
100 000	50 V	5.00	1C20Z5U104M050B	5.00	K104M15X7RF53H5
10 000	50 V	5.00	1C20Z5U103M050B	5.00	K103M15X7RF53H5
100 000	50 V	2.54	1C10X7R104K050R	2.54	K104K15X7RF5TL2
100 000	50 V	5.00	1C20X7R104K050R	5.00	K104K15X7RF5TH5
10 000	50 V	6.35	1C25Z5U103M050B	6.40	K103M15X7RF53H6
1 000 000	50 V	10.16	2C40Z5U105M050B	10.00	K105M20X7RF53H0
10 000	50 V	2.54	1C10X7R103K050B	2.54	K103K15X7RF53L2
100 000	50 V	6.35	1C25Z5U104M050B	6.40	K104M15X7RF53H6
10 000	50 V	2.54	1C10Z5U103M050B	2.54	K103M15X7RF53L2
100 000	50 V	5.00	1C20X7R104K050B	5.00	K104K15X7RF53H5
100 000	100 V	2.54	1C10Z5U104M100B	2.54	K104M20X7RH53L2
1 000 000	50 V	5.00	2C20Z5U105M050B	5.00	K105M20X7RF53H5
1000	50 V	2.54	1C10X7R102K050B	2.54	K102K15X7RF53L2
100 000	100 V	2.54	1C10X7R104K100B	2.54	K104K20X7RH53L2
10 000	50 V	5.00	1C20X7R103K050R	5.00	K103K15X7RF5TH5
10 000	50 V	5.00	1C20X7R103K050B	5.00	K103K15X7RF53H5
1 000 000	50 V	5.00	2C37Z5U105M050B	5.00	K105M20X7RF53H5
10 000	50 V	2.54	1C10X7R103K050R	2.54	K103K15X7RF5TL2
47 000	50 V	2.54	1C10X7R473K050B	2.54	K473K15X7RF53L2
10 000	50 V	5.00	1C20Z5U103M050R	5.00	K103M15X7RF5TH5
1 000 000	50 V	5.00	2C20Z5U105M050R	5.00	K105M20X7RF5TH5
1 000 000	50 V	6.35	2C25Z5U105M050B	6.40	K105M20X7RF53H6
22 000	50 V	2.54	1C10X7R223K050B	2.54	K223K15X7RF53L2
220	50 V	5.00	1C20C0G221J050B	5.00	K221J15C0GF53H5
22	50 V	2.54	1C10C0G220J050B	2.54	K220J15C0GF53L2
220 000	50 V	5.00	1C20Z5U224M050B	5.00	K224M20X7RF53H5
10 000	50 V	6.35	1C25X7R103K050B	6.40	K103K15X7RF53H6
3300	50 V	5.00	1C20C0G332J050B	5.00	K332J20C0GF53H5
470 000	50 V	5.00	2C37Z5U474M050B	5.00	K474M20X7RF53H5
47 000	100 V	2.54	1C10X7R473K100B	2.54	K473K20X7RH53L2
100 000	50 V	6.35	1C25X7R104K050B	6.40	K104K15X7RF53H6
100	50 V	2.54	1C10C0G101J050B	2.54	K101J15C0GF53L2
1000	50 V	2.54	1C10C0G102J050B	2.54	K102J15C0GF53L2
47	100 V	2.54	1C10C0G470J100B	2.54	K470J15C0GH53L2
220 000	50 V	2.54	1C10Z5U224M050B	2.54	K224M20X7RF53L2
22	50 V	5.00	1C20C0G220J050B	5.00	K220J15C0GF53H5
100 000	100 V	5.00	1C20X7R104K100B	5.00	K104K20X7RH53H5
1000	50 V	5.00	1C20X7R102K050R	5.00	K102K15X7RF5TH5

Note

⁽¹⁾ Listed according to most preferable used types



MULTILAYER CERAMIC DIPPED RADIAL CAPACITORS					
C-VALUE (pF)	VOLT	PITCH (mm)	VISHAY SPRAGUE ⁽¹⁾	PITCH ± 0.8 (mm)	VISHAY BCcomponents/ CLEARTEXT ⁽¹⁾
10 000	100 V	2.54	1C10X7R103K100B	2.54	K103K15X7RH53L2
47	50 V	2.54	1C10C0G470J050B	2.54	K470J15C0GF53L2
10 000	50 V	2.54	1C10Z5U103M050R	2.54	K103M15X7RF5TL2
22 000	50 V	5.00	1C20X7R223K050R	5.00	K223K15X7RF5TH5
2200	50 V	5.00	1C20C0G222J050B	5.00	K222J15C0GF53H5
470	50 V	5.00	1C20C0G471J050B	5.00	K471J15C0GF53H5
1000	50 V	5.00	1C20X7R102K050B	5.00	K102K15X7RF53H5
1000	100 V	2.54	1C10X7R102K100B	2.54	K102K15X7RH53L2
330 000	50 V	5.00	1C20Z5U334M050B	5.00	K334M20X7RF53H5
22	100 V	2.54	1C10C0G220J100B	2.54	K220J15C0GH53L2
100 000	100 V	2.54	1C10X7R104K100R	2.54	K104K20X7RH5TL2
47 000	50 V	2.54	1C10Z5U473M050B	2.54	K473M15X7RF53L2
10 000	100 V	5.00	1C20X7R103K100R	5.00	K103K15X7RH5TH5
330	50 V	5.00	1C20C0G331J050B	5.00	K331J15C0GF53H5
47 000	50 V	6.35	1C25Z5U473M050B	6.40	K473M15X7RF53H6
47 000	50 V	5.00	1C20Z5U473M050B	5.00	K473M15X7RF53H5
100 000	50 V	7.62	1C30X7R104K050B	7.50	K104K15X7RF53H7
10 000	50 V	7.62	1C30Z5U103M050B	7.50	K103M15X7RF53H7
470 000	50 V	5.00	2C20X7R474K050R	5.00	K474K20X7RF5TH5
10 000	100 V	5.00	1C20X7R103K100B	5.00	K103K15X7RH53H5
470 000	50 V	5.00	2C20Z5U474M050B	5.00	K474M20X7RF53H5
2200	100 V	5.00	1C20X7R222K100B	5.00	K222K15X7RH53H5
47 000	50 V	5.00	1C20X7R473K050B	5.00	K473K15X7RF53H5
1000	100 V	2.54	1C10C0G102J100B	2.54	K102J20C0GH53L2
470	50 V	2.54	1C10C0G471J050B	2.54	K471J15C0GF53L2
33 000	50 V	2.54	1C10X7R333K050B	2.54	K333K15X7RF53L2
100	50 V	5.00	1C20C0G101J050B	5.00	K101J15C0GF53H5
22 000	50 V	5.00	1C20Z5U223M050B	5.00	K223M15X7RF53H5
22 000	50 V	6.35	1C25Z5U223M050B	6.40	K223M15X7RF53H6
10 000	50 V	7.62	1C30X7R103K050B	7.50	K103K15X7RF53H7
220 000	50 V	6.35	1C25Z5U224M050B	6.40	K224M20X7RF53H6
470 000	50 V	5.00	2C20X7R474K050B	5.00	K474K20X7RF53H5
22	50 V	2.54	1C10C0G220J050R	2.54	K220J15C0GF5TL2
330	50 V	2.54	1C10C0G331J050B	2.54	K331J15C0GF53L2
22 000	50 V	2.54	1C10X7R223K050R	2.54	K223K15X7RF5TL2
22 000	50 V	2.54	1C10Z5U223M050R	2.54	K223M15X7RF5TL2
330 000	50 V	2.54	1C10Z5U334M050B	2.54	K334M20X7RF53L2
100	50 V	5.00	1C20C0G101J050R	5.00	K101J15C0GF5TH5
22	50 V	5.00	1C20C0G220J050R	5.00	K220J15C0GF5TH5
470	50 V	5.00	1C20C0G471J050R	5.00	K471J15C0GF5TH5
100 000	100 V	5.00	1C20X7R104K100R	5.00	K104K20X7RH5TH5
1000	100 V	6.35	1C25X7R102K100B	6.40	K102K15X7RH53H6
33 000	50 V	6.35	1C25X7R333K050B	6.40	K333K15X7RF53H6
220 000	50 V	5.00	2C20X7R224K050B	5.00	K224K20X7RF53H5
470 000	50 V	5.00	2C20Z5U474M050R	5.00	K474M20X7RF5TH5

Note

⁽¹⁾ Listed according to most preferable used types



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C-VALUE (pF)	VOLT	PITCH (mm)	VISHAY SPRAGUE ⁽¹⁾	PITCH ± 0.8 (mm)	VISHAY BCcomponents/ CLEARTEXT ⁽¹⁾
10 000	50 V	2.54	9C10Z5U103M050B	2.54	K103M15X7RF53L2
10	100 V	2.54	1C10C0G100J100B	2.54	K100J15C0GH53L2
100	100 V	2.54	1C10C0G101J100B	2.54	K101J15C0GH53L2
220	50 V	2.54	1C10C0G221J050B	2.54	K221J15C0GF53L2
33	50 V	2.54	1C10C0G330J050B	2.54	K330J15C0GF53L2
33	100 V	2.54	1C10C0G330J100B	2.54	K330J15C0GH53L2
330	100 V	2.54	1C10C0G331J100B	2.54	K331J15C0GH53L2
470	100 V	2.54	1C10C0G471J100B	2.54	K471J15C0GH53L2
22 000	100 V	2.54	1C10X7R223K100B	2.54	K223K15X7RH53L2
4700	50 V	2.54	1C10X7R472K050B	2.54	K472K15X7RF53L2
1000	50 V	5.00	1C20C0G102J050B	5.00	K102J15C0GF53H5
1000	100 V	5.00	1C20C0G102J100B	5.00	K102J20C0GH53H5
2200	50 V	5.00	1C20X7R222K050B	5.00	K222K15X7RF53H5
1000	50 V	6.35	1C25C0G102J050B	6.40	K102J15C0GF53H6
100 000	100 V	6.35	1C25X7R104K100B	6.40	K104K20X7RH53H6
220 000	50 V	5.00	2C20X7R224K050R	5.00	K224K20X7RF5TH5
1 000 000	50 V	10.16	3C40X7R105K050B	10.00	K105K20X7RF53H0
220 000	50 V	5.00	2C37Z5U224M050B	5.00	K224M20X7RF53H5
220	50 V	2.54	1C10C0G221J050R	2.54	K221J15C0GF5TL2
1000	50 V	2.54	1C10X7R102K050R	2.54	K102K15X7RF5TL2
47	50 V	5.00	1C20C0G470J050R	5.00	K470J15C0GF5TH5
1000	100 V	5.00	1C20X7R102K100B	5.00	K102K15X7RH53H5
2200	50 V	5.00	1C20X7R222K050R	5.00	K222K15X7RF5TH5
4700	50 V	5.00	1C20X7R472K050R	5.00	K472K15X7RF5TH5
220 000	50 V	5.00	1C20Z5U224M050R	5.00	K224M20X7RF5TH5
330 000	50 V	5.00	1C20Z5U334M050R	5.00	K334M20X7RF5TH5
100 000	100 V	7.62	1C30X7R104K100B	7.50	K104K20X7RH53H7
1 000 000	50 V	7.62	2C30Z5U105M050B	7.50	K105M20X7RF53H7
10	50 V	2.54	1C10C0G100J050B	2.54	K100J15C0GF53L2
220	100 V	2.54	1C10C0G221J100B	2.54	K221J15C0GH53L2
2200	50 V	2.54	1C10C0G222J050B	2.54	K222J15C0GF53L2
2200	100 V	2.54	1C10C0G222J100B	2.54	K222J20C0GH53L2
2200	100 V	2.54	1C10X7R222K100B	2.54	K222K15X7RH53L2
3300	100 V	2.54	1C10X7R332K100B	2.54	K332K15X7RH53L2
22 000	100 V	2.54	1C10Z5U223M100B	2.54	K223M15X7RH53L2
33 000	50 V	2.54	1C10Z5U333M050B	2.54	K333M15X7RF53L2
33	50 V	5.00	1C20C0G330J050B	5.00	K330J15C0GF53H5
3300	100 V	5.00	1C20X7R332K100B	5.00	K332K15X7RH53H5
22	50 V	6.35	1C25C0G220J050B	6.40	K220J15C0GF53H6
220	50 V	6.35	1C25C0G221J050B	6.40	K221J15C0GF53H6
470	50 V	6.35	1C25C0G471J050B	6.40	K471J15C0GF53H6
10 000	100 V	6.35	1C25X7R103K100B	6.40	K103K15X7RH53H6
33 000	50 V	6.35	1C25Z5U333M050B	6.40	K333M15X7RF53H6
330 000	50 V	6.35	1C25Z5U334M050B	6.40	K334M20X7RF53H6
1000	100 V	7.62	1C30X7R102K100B	7.50	K102K15X7RH53H7

Note

⁽¹⁾ Listed according to most preferable used types



MULTILAYER CERAMIC DIPPED RADIAL CAPACITORS					
C-VALUE (pF)	VOLT	PITCH (mm)	VISHAY SPRAGUE ⁽¹⁾	PITCH ± 0.8 (mm)	VISHAY BCcomponents/ CLEARTEXT ⁽¹⁾
1 000 000	50 V	5.00	2C20X7R105K050R	5.00	K105K20X7RF5TH5
330 000	50 V	5.00	2C37Z5U334M050B	5.00	K334M20X7RF53H5
1 000 000	50 V	5.00	3C37X7R105K050B	5.00	K105K20X7RF53H5
47 000	50 V	6.35	1C25X7R473K050B	6.40	K473K15X7RF53H6
220 000	50 V	10.16	2C40Z5U224M050B	10.00	K224M20X7RF53H0
470 000	50 V	5.00	2C37X7R474K050B	5.00	K474K20X7RF53H5
1000	50 V	2.54	1C10C0G102J050R	2.54	K102J15C0GF5TL2
22	100 V	2.54	1C10C0G220J100R	2.54	K220J15C0GH5TL2
33	50 V	2.54	1C10C0G330J050R	2.54	K330J15C0GF5TL2
3300	50 V	2.54	1C10C0G332J050B	2.54	K332J20C0GF53L2
3300	100 V	2.54	1C10C0G332J100B	2.54	K332J20C0GH53L2
47	50 V	2.54	1C10C0G470J050R	2.54	K470J15C0GF5TL2
470	50 V	2.54	1C10C0G471J050R	2.54	K471J15C0GF5TL2
4700	50 V	2.54	1C10C0G472J050B	2.54	K472J20C0GF53L2
1000	100 V	2.54	1C10X7R102K100R	2.54	K102K15X7RH5TL2
10 000	100 V	2.54	1C10X7R103K100R	2.54	K103K15X7RH5TL2
2200	50 V	2.54	1C10X7R222K050B	2.54	K222K15X7RF53L2
3300	50 V	2.54	1C10X7R332K050B	2.54	K332K15X7RF53L2
33 000	100 V	2.54	1C10X7R333K100B	2.54	K333K20X7RH53L2
4700	50 V	2.54	1C10X7R472K050R	2.54	K472K15X7RF5TL2
4700	100 V	2.54	1C10X7R472K100B	2.54	K472K15X7RH53L2
10 000	100 V	2.54	1C10Z5U103M100B	2.54	K103M15X7RH53L2
22 000	50 V	2.54	1C10Z5U223M050B	2.54	K223M15X7RF53L2
33 000	100 V	2.54	1C10Z5U333M100B	2.54	K333M20X7RH53L2
330 000	50 V	2.54	1C10Z5U334M050R	2.54	K334M20X7RF5TL2
47 000	100 V	2.54	1C10Z5U473M100B	2.54	K473M20X7RH53L2
10	50 V	5.00	1C20C0G100J050B	5.00	K100J15C0GF53H5
10	50 V	5.00	1C20C0G100J050R	5.00	K100J15C0GF5TH5
10	100 V	5.00	1C20C0G100J100B	5.00	K100J15C0GH53H5
10	100 V	5.00	1C20C0G100J100R	5.00	K100J15C0GH5TH5
100	100 V	5.00	1C20C0G101J100B	5.00	K101J15C0GH53H5
1000	50 V	5.00	1C20C0G102J050R	5.00	K102J15C0GF5TH5
22	100 V	5.00	1C20C0G220J100B	5.00	K220J15C0GH53H5
22	100 V	5.00	1C20C0G220J100R	5.00	K220J15C0GH5TH5
220	50 V	5.00	1C20C0G221J050R	5.00	K221J15C0GF5TH5
220	100 V	5.00	1C20C0G221J100B	5.00	K221J15C0GH53H5
2200	100 V	5.00	1C20C0G222J100B	5.00	K222J20C0GH53H5
33	50 V	5.00	1C20C0G330J050R	5.00	K330J15C0GF5TH5
33	100 V	5.00	1C20C0G330J100B	5.00	K330J15C0GH53H5
330	50 V	5.00	1C20C0G331J050R	5.00	K331J15C0GF5TH5
330	100 V	5.00	1C20C0G331J100B	5.00	K331J15C0GH53H5
3300	50 V	5.00	1C20C0G332J050R	5.00	K332J20C0GF5TH5
3300	100 V	5.00	1C20C0G332J100B	5.00	K332J20C0GH53H5
3300	100 V	5.00	1C20C0G332J100R	5.00	K332J20C0GH5TH5
47	50 V	5.00	1C20C0G470J050B	5.00	K470J15C0GF53H5

Note

⁽¹⁾ Listed according to most preferable used types



MULTILAYER CERAMIC DIPPED RADIAL CAPACITORS					
C-VALUE (pF)	VOLT	PITCH (mm)	VISHAY SPRAGUE ⁽¹⁾	PITCH ± 0.8 (mm)	VISHAY BCcomponents/ CLEARTEXT ⁽¹⁾
47	100 V	5.00	1C20C0G470J100B	5.00	K470J15C0GH53H5
470	100 V	5.00	1C20C0G471J100B	5.00	K471J15C0GH53H5
4700	50 V	5.00	1C20C0G472J050B	5.00	K472J20C0GF53H5
1000	100 V	5.00	1C20X7R102K100R	5.00	K102K15X7RH5TH5
22 000	50 V	5.00	1C20X7R223K050B	5.00	K223K15X7RF53H5
22 000	100 V	5.00	1C20X7R223K100B	5.00	K223K15X7RH53H5
3300	50 V	5.00	1C20X7R332K050B	5.00	K332K15X7RF53H5
33 000	50 V	5.00	1C20X7R333K050B	5.00	K333K15X7RF53H5
33 000	100 V	5.00	1C20X7R333K100B	5.00	K333K20X7RH53H5
4700	50 V	5.00	1C20X7R472K050B	5.00	K472K15X7RF53H5
47 000	100 V	5.00	1C20X7R473K100B	5.00	K473K20X7RH53H5
100 000	100 V	5.00	1C20Z5U104M100B	5.00	K104M20X7RH53H5
22 000	50 V	5.00	1C20Z5U223M050R	5.00	K223M15X7RF5TH5
33 000	50 V	5.00	1C20Z5U333M050B	5.00	K333M15X7RF53H5
33 000	50 V	5.00	1C20Z5U333M050R	5.00	K333M15X7RF5TH5
47 000	50 V	5.00	1C20Z5U473M050R	5.00	K473M15X7RF5TH5
10	50 V	6.35	1C25C0G100J050B	6.40	K100J15C0GF53H6
100	50 V	6.35	1C25C0G101J050B	6.40	K101J15C0GF53H6
100	100 V	6.35	1C25C0G101J100B	6.40	K101J15C0GH53H6
22	100 V	6.35	1C25C0G220J100B	6.40	K220J15C0GH53H6
470	100 V	6.35	1C25C0G471J100B	6.40	K471J15C0GH53H6
1000	50 V	6.35	1C25X7R102K050B	6.40	K102K15X7RF53H6
3300	50 V	6.35	1C25X7R332K050B	6.40	K332K15X7RF53H6
100 000	100 V	6.35	1C25Z5U104M100B	6.40	K104M20X7RH53H6
1000	100 V	7.62	1C30C0G102J100B	7.50	K102J20C0GH53H7
22	50 V	7.62	1C30C0G220J050B	7.50	K220J15C0GF53H7
330	50 V	7.62	1C30C0G331J050B	7.50	K331J15C0GF53H7
1000	50 V	7.62	1C30X7R102K050B	7.50	K102K15X7RF53H7
10 000	100 V	7.62	1C30X7R103K100B	7.50	K103K15X7RH53H7
22 000	100 V	7.62	1C30X7R223K100B	7.50	K223K15X7RH53H7
100 000	100 V	7.62	1C30Z5U104M100B	7.50	K104M20X7RH53H7
330 000	50 V	7.62	1C30Z5U334M050B	7.50	K334M20X7RF53H7
330 000	50 V	5.00	2C20X7R334K050B	5.00	K334K20X7RF53H5
220 000	50 V	6.35	2C25X7R224K050B	6.40	K224K20X7RF53H6
470 000	50 V	6.35	2C25Z5U474M050B	6.40	K474M20X7RF53H6
1 000 000	50 V	7.62	2C30X7R105K050B	7.50	K105K20X7RF53H7
220 000	50 V	7.62	2C30X7R224K050B	7.50	K224K20X7RF53H7
220 000	50 V	5.00	2C37X7R224K050B	5.00	K224K20X7RF53H5
330 000	50 V	10.16	2C40X7R334K050B	10.00	K334K20X7RF53H0
470 000	50 V	10.16	2C40X7R474K050B	10.00	K474K20X7RF53H0
470 000	50 V	10.16	2C40Z5U474M050B	10.00	K474M20X7RF53H0
100	100 V	2.54	9C10C0G101J100B	2.54	K101J15C0GH53L2
22	100 V	2.54	9C10C0G220J100B	2.54	K220J15C0GH53L2
220	50 V	2.54	9C10C0G221J050B	2.54	K221J15C0GF53L2
47 000	50 V	2.54	9C10Z5U473M050B	2.54	K473M15X7RF53L2

Note

⁽¹⁾ Listed according to most preferable used types