

Automotive AEC-Q200 @ IATF16949

for Purchasing, Development, Design, Component Manager



Automotive Selection Guide

All AEC-Q200 Ceramic Capacitor with Flexicap Termination

Serie	Size	1.0n	2.2n	4.7n	10n	15n	22n	47n	100n	150n	220n	470n
0805	50V	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	
	500V	X7R	X7R	X7R	X7R	X7R						
	1000V	X7R	X7R	X7R								

Serie	Size	1.0n	2.2n	4.7n	10n	15n	22n	47n	100n	150n	220n	470n
1206	50V	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R
	500V		X7R	X7R	X7R	X7R	X7R	X7R				
	1000V	X7R	X7R	X7R	X7R							
	2000V	X7R	X7R									

Serie	Size	1.0n	2.2n	4.7n	10n	15n	22n	47n	100n	220n	470n	1.0uF
1812	250V	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R
	500V	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R		X7R	
	630V	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R		
	1000V	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R			
	2000V	X7R	X7R	X7R	X7R	X7R	X7R					

Serie	Size	1.0n	2.2n	4.7n	10n	15n	22n	47n	100n	150n	220n	470nF
2220	1000V	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R

Safety Capacitor, 250Vac, Y2= 5KV Impulse, IEC60384-14, UL60950 TUV, UL

Serie	Size	Volt	220p	470p	680p	1.0n	1.5n	2.2n	3.3n	4.7n	10n	22n
X1Y2	2220	250Vac	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	

Safety Capacitor, X2= 2500V Impulse, IEC60384-14, UL60950 TUV

Serie	Size	Volt	220p	470p	680p	1.0n	1.5n	2.2n	3.3n	4.7n	10n	22n
X2	2220	250Vac	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R

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Knowles Syfer Ceramic Capacitors (Selection)

Size	VOLT	CAP	Dielectric	Order Information	Remark
0805	50V	10nF	X7R	0805Y0500103KET	
	50V	22nF	X7R	0805Y0500223KET	
	50V	100nF	X7R	0805Y0500104KET	
	500V	10nF	X7R	0805Y5000103KET	
	500V	15nF	X7R	0805Y5000153KET	
	1000V	1.0nF	X7R	0805Y1K00102KET	
	1000V	10nF	X7R	0805Y1K00103KET	
1206	50V	100nF	X7R	1206Y0500104KET	
	50V	220nF	X7R	1206Y0500224KET	
	1000V	1.0nF	X7R	1206Y1K00103KET	
	2000V	1.0nF	X7R	1206Y2K00102KET	
	2000V	2.2nF	X7R	1206Y2K00222KET	

1812	250V	100nF	X7R	1812Y2500104KET	
	250V	220nF	X7R	1812Y2500224KXT	
	250V	1.0uF	X7R	1812Y2500105KETWS3	
	500V	100nF	X7R	1812Y5000104KET	
	1000V	1.0nF	X7R	1812Y1K00103KET	
	1000V	2.2nF	X7R	1812Y1K00222KET	
	2000V	1.0nF	X7R	1812Y2K00102KET	
	2000V	2.2nF	X7R	1812Y2K00222KET	
	2000V	4.7nF	X7R	1812Y2K00472KET	
2220	1000V	10nF	X7R	2220Y1K00103KET	
	1000V	22nF	X7R	2220Y1K00223KET	

2220	250VAC	220pF	X7R	2220YA250221KETB16	X1Y2
		470pF	X7R	2220YA250471KETB17	X1Y2
		680pF	X7R	2220YA250681KETB16	X1Y2
		1.0nF	X7R	2220YA250102KETB16	X1Y2
		2.2nF	X7R	2220YA250222KETB16	X1Y2
		3.3nF	X7R	2220YA250332KETB16	X1Y2
		4.7nF	X7R	2220YA250472KETB16	X1Y2
		10nF	X7R	2220YA250103KETB16	X1Y2

2220	250VAC	10nF	X7R	2220YA250103KETB17	X2
2220	250VAC	22nF	X7R	2220YA250223KETB17	X2

2211	250VAC	1.0nF	X7R	2211YA250102KETSPU	X1Y2 2500Vdc Extra Test
2211	250VAC	2.2nF	X7R	2211YA250220KETSPU	X1Y2 2500Vdc Extra Test

Notice. SPU unmarked capacitor. Extra testing 250Vac/2500Vdc for special requirement

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