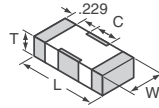


X2Y 滤波电容器采用独特的专利低电感设计，具有两个均衡的电容器，可以耐受温度、电压和老化性能的变化。这些元件具有极强的去耦和 EMI 滤波性能。

应用：• FPGA/ASIC/μ-P 去耦 • DDR 存储器去耦 • 放大器滤波和去耦 • 高速数据过滤 • 手机



物理特性 - 尺寸 (单位: mm)			
系列	L	W	C
0603	1.626 ± 0.127	0.889 ± 0.127	0.457 ± 0.102
0805	2.032 ± 0.203	1.270 ± 0.203	0.559 ± 0.127
1206	3.150 ± 0.254	1.600 ± 0.254	1.016 ± 0.127
1410	3.556 ± 0.254	2.490 ± 0.254	1.143 ± 0.127
1812	4.420 ± 0.254	3.175 ± 0.254	1.143 ± 0.127

尺寸代码	类型	WV DC	电容	电容公差	尺寸 T (mm)	Digi-Key 零件编号	剪切带价格			Digi-Key 零件编号	带卷		Johanson Dielectrics 零件编号		
							10	100	500		数量	价格			
0603	NP0	50	5.6pF	±20%	0.660	709-1000-1-ND	7.28	43.00	124.03	709-1000-2-ND	4,000	119.00/M	500X14N5R6MV4T		
		50	10pF	±20%	0.660	709-1001-1-ND	7.28	43.00	124.03	709-1001-2-ND	4,000	119.00/M	500X14N100MV4T		
		50	22pF	±20%	0.660	709-1002-1-ND	7.28	43.00	124.03	709-1002-2-ND	4,000	119.00/M	500X14N220MV4T		
		50	47pF	±20%	0.660	709-1003-1-ND	7.47	44.14	127.33	709-1003-2-ND	4,000	122.00/M	500X14N470MV4T		
		50	100pF	±20%	0.660	709-1004-1-ND	7.71	45.57	131.46	709-1004-2-ND	4,000	126.00/M	500X14N101MV4T		
		X7R	6.3	.1μF	±20%	0.660	709-1009-1-ND	10.87	64.21	185.21	709-1009-2-ND	4,000	178.00/M	6R3X14W104MV4T	
	10		.1μF	±20%	0.660	709-1101-1-ND	10.87	64.21	185.21	709-1101-2-ND	4,000	178.00/M	100X14W104MV4T		
	16		47,000pF	±20%	0.660	709-1088-1-ND	12.09	71.45	206.10	709-1088-2-ND	4,000	198.00/M	160X14W471MV4T		
	25		22,000pF	±20%	0.660	709-1087-1-ND	9.67	57.15	164.87	709-1087-2-ND	4,000	158.00/M	250X14W223MV4T		
	50		470pF	±20%	0.660	709-1085-1-ND	7.01	41.44	119.53	709-1085-2-ND	4,000	115.00/M	500X14W471MV4T		
	50		1,000pF	±20%	0.660	709-1005-1-ND	7.02	41.46	119.61	709-1005-2-ND	4,000	115.00/M	500X14W102MV4T		
	50		1,500pF	±20%	0.660	709-1006-1-ND	7.02	41.46	119.61	709-1006-2-ND	4,000	115.00/M	500X14W152MV4T		
	50		2,200pF	±20%	0.660	709-1086-1-ND	7.50	44.29	127.76	709-1086-2-ND	4,000	123.00/M	500X14W222MV4T		
	50		4,700pF	±20%	0.660	709-1007-1-ND	7.24	42.80	123.47	709-1007-2-ND	4,000	119.00/M	500X14W472MV4T		
	50		10,000pF	±20%	0.660	709-1008-1-ND	8.65	51.12	147.45	709-1008-2-ND	4,000	142.00/M	500X14W103MV4T		
	0805		X7R	50	1,000pF	±20%	1.016	709-1010-1-ND	13.61	80.45	232.07	709-1010-2-ND	4,000	223.00/M	500X15W102MV4T
				50	10,000pF	±20%	1.016	709-1011-1-ND	14.60	86.28	248.89	709-1011-2-ND	4,000	239.00/M	500X15W103MV4E
		50		47,000pF	±20%	1.016	709-1012-1-ND	30.56	180.59	520.93	709-1012-2-ND	4,000	500.00/M	500X15W473MV4E	
1206	X7R	10	.47μF	±20%	1.270	709-1103-1-ND	20.04	118.41	341.57	709-1103-2-ND	3,000	328.00/M	100X18W474MV4E		
		16	.22μF	±20%	1.270	709-1102-1-ND	16.72	98.83	285.08	709-1102-2-ND	3,000	274.00/M	160X18W224MV4E		
		50	.1μF	±20%	1.270	709-1013-1-ND	30.56	180.59	520.93	709-1013-2-ND	3,000	500.00/M	500X18W104MV4E		
1410	X7R	50	.40μF	±20%	1.778	709-1017-1-ND	54.98	324.87	937.13	709-1017-2-ND	2,000	900.00/M	500X44W404MV4E		
1812	X7R	50	.47μF	±20%	2.286	709-1016-1-ND	64.68	382.20	1102.50	709-1016-2-ND	1,000	1058.00	500X43W474MV4E		

F

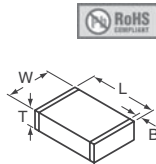
MLCC 电容器
高压和 Tanceram

高压应用:

- 模拟和数字调制解调器 • 照明镇流器电路 • 电压乘法器 • DC-DC 转换器 • LAN/WAN 接口 • 背光反相器

Tanceram 应用:

- 开关电源平流 (输入/输出) • DC/DC 转换器平流 (输入/输出) • 背光反相器 • 常规数字电路



物理特性 - 尺寸 (单位: mm)			
系列	L	W	B
0402	1.02 ± .10	0.51 ± .10	0.20 ± .10
0603	1.60 ± .20	0.81 ± .20	0.25 ± .13
0805	2.03 ± .25	1.27 ± .25	0.51 ± .25
1206	3.17 ± .25	1.57 ± .25	0.51 ± .25
1210	3.18 ± .25	2.41 ± .25	0.51 ± .25
1808	4.57 ± .25	2.03 ± .25	0.51 ± .25
1812	4.57 ± .25	3.17 ± .25	0.64 ± .38
1825	4.57 ± .25	6.35 ± .25	0.64 ± .38
2225	5.72 ± .25	6.48 ± .38	0.64 ± .38

尺寸代码	类型	WV DC	电容	电容公差	尺寸 T (mm)	Digi-Key 零件编号	剪切带价格			Digi-Key 零件编号	带卷		Johanson Dielectrics 零件编号
							10	100	500		数量	价格	
高电压													
0805	NP0	500	100pF	±10%	1.27	709-1019-1-ND	1.39	8.19	23.63	709-1019-2-ND	4,000	23.00/M	501R15N101KV4T
		250	22,000pF	±10%	1.27	709-1018-1-ND†	1.94	11.44	33.00	709-1018-2-ND†	3,000	32.00/M	251R15W223KV4E
	X7R	500	1,000pF	±10%	1.27	709-1020-1-ND	1.43	8.45	24.38	709-1020-2-ND	3,000	23.00/M	501R15W102KV4E
		500	10,000pF	±10%	1.27	709-1021-1-ND	2.53	14.95	43.13	709-1021-2-ND	3,000	41.00/M	501R15W103KV4E
1206	NP0	500	100pF	±10%	1.27	709-1022-1-ND	1.69	10.01	28.88	709-1022-2-ND	3,000	28.00/M	501R18N101JV4E
		500	220pF	±5%	1.27	709-1023-1-ND	1.98	11.70	33.75	709-1023-2-ND	3,000	32.00/M	501R18N221JV4E
		500	470pF	±5%	1.27	709-1024-1-ND	2.53	14.95	43.13	709-1024-2-ND	3,000	41.00/M	501R18N471JV4E
		2,000	100pF	±5%	1.27	709-1033-1-ND	3.07	18.14	52.31	709-1033-2-ND	3,000	50.00/M	202R18N101JV4E
		2,000	220pF	±5%	1.27	709-1034-1-ND	3.19	18.85	54.38	709-1034-2-ND	3,000	52.00/M	202R18N221JV4E
	X7R	500	1,000pF	±10%	1.27	709-1025-1-ND	1.64	9.69	27.94	709-1025-2-ND	3,000	27.00/M	501R18W102KV4E
		500	4,700pF	±10%	1.27	709-1026-1-ND	3.08	18.20	52.50	709-1026-2-ND	3,000	50.00/M	501R18W472KV4E
		500	10,000pF	±10%	1.27	709-1027-1-ND	2.15	12.68	36.56	709-1027-2-ND	3,000	35.00/M	501R18W103KV4E
		500	22,000pF	±10%	1.27	709-1028-1-ND	3.08	18.20	52.50	709-1028-2-ND	2,000	50.00/M	501R18W223KV4E
		1,000	1,000pF	±10%	1.27	709-1029-1-ND	2.16	12.74	36.75	709-1029-2-ND	3,000	35.00/M	102R18W102KV4E
		1,000	4,700pF	±10%	1.27	709-1031-1-ND	3.34	19.76	57.00	709-1031-2-ND	3,000	55.00/M	102R18W472KV4E
		2,000	470pF	±10%	1.27	709-1035-1-ND	2.22	13.13	37.88	709-1035-2-ND	3,000	36.00/M	202R18W471KV4E
		2,000	1,000pF	±10%	1.27	709-1036-1-ND	2.76	16.32	47.06	709-1036-2-ND	3,000	45.00/M	202R18W102KV4E
		1210	NP0	1,000	680pF	±10%	1.65	709-1038-1-ND	5.94	35.10	101.25	709-1038-2-ND	2,000
500	47,000pF			±10%	1.65	709-1037-1-ND	9.59	56.68	163.50	709-1037-2-ND	2,000	157.00/M	501S41W473KV4E
X7R	1,000		10,000pF	±10%	1.65	709-1039-1-ND	7.48	44.20	127.50	709-1039-2-ND	2,000	122.00/M	102S41W103KV4E
	2,000		1,000pF	±10%	1.65	709-1040-1-ND	5.14	30.36	87.56	709-1040-2-ND	2,000	84.00/M	202S41W102KV4E
	2,000		2,700pF	±10%	1.65	709-1041-1-ND	8.26	48.82	140.81	709-1041-2-ND	2,000	135.00/M	202S41W227KV4E
1808	NP0	2,000	470pF	±10%	2.03	709-1043-1-ND	17.26	101.99	294.19	709-1043-2-ND	2,000	282.00/M	202R29N471KV4E
		3,000	330pF	±10%	2.03	709-1044-1-ND	8.13	48.04	138.56	709-1044-2-ND	2,000	133.00/M	302R29N331KV4E
	X7R	2,000	150pF	±10%	2.03	709-1042-1-ND	4.86	28.73	82.88	709-1042-2-ND	2,000	80.00/M	202R29W151KV4E
		2,000	470pF	±10%	2.03	709-1045-1-ND	5.16	30.49	87.94	709-1045-2-ND	2,000	84.00/M	202R29W471KV4E
		2,000	1,000pF	±10%	2.03	709-1046-1-ND	5.50	32.50	93.75	709-1046-2-ND	2,000	90.00/M	202R29W102KV4E
		3,000	1,000pF	±10%	2.03	709-1047-1-ND	7.13	42.12	121.50	709-1047-2-ND	2,000	117.00/M	302R29W102KV4E

† 尖头和环形片状

(转下页)