AVX TPC 安全瓷片电容器

X 功能：适合电容器出现故障不会导致电击危险的场合。有三个子类与叠加在电源电压上的脉冲的峰值电压相关联；子类 X1：脉冲最高 4kV；子类 X2：脉冲最高 2.5kV。

Y 功能：适合电容器出现故障可能会导致电击危险的场合。在寿命测试前，有四个子类与施加的脉冲的峰值电压相关联。子类 Y1：脉冲最高 8kV；子类 Y2：脉冲最高 5kV；子类 Y3：250VAC 额定电压，无脉冲。

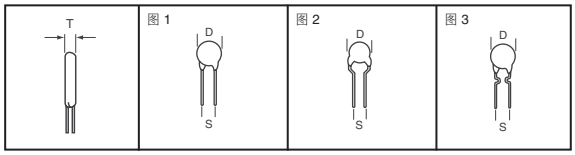


图	电容 (pF)	公差 (%)	尺寸 (mm) D	S	T	Digi-Key 零件编号	剪切带价格 1	10	100	Digi-Key 零件编号	带卷价格 1,000	AVX 零件编号
X1/Y1 - 测试电压 4kVAC												
1	470	±20	8	10	4	478-4300-ND‡	.29	2.79	20.15	—	—	61V471MCECT
X1/Y2 - 测试电压 2.5kVAC												
1	1000	±20	8	7.5	4	478-4303-ND‡	.39	3.74	26.98	—	—	62O102MBECA
	1000	±20	8	7.5	4	478-4304-1-ND	—	9.68	57.20	—	—	62O102MBECH
	4700	±20	15	7.5	6	478-4309-ND‡	.89	8.46	61.10	—	—	62O472MBKCA
2	1000	±20	8	7.5	4	478-4306-1-ND	—	11.33	66.95	478-4306-2-ND	185.00	62O102MQECS
	1000	±20	8	7.5	4	478-4307-1-ND	—	11.33	66.95	478-4307-2-ND	185.00	62O102MQEIS
3	4700	-20 / +50	15	10	6	478-4310-ND‡	.93	8.78	63.38	—	—	62O472SWKCE
X2/Y3 - 测试电压 1.5kVAC												
1	4700	-20 / +50	15	7.5	6	478-4313-ND‡	.52	4.95	35.75	—	—	65N472SBKCT
3	4700	-20 / +50	15	7.5	6	478-4314-ND‡	.74	7.02	50.70	—	—	65N472SRKCT

‡ 散装

AVX AR 系列 SkyCap® 汽车径向引线陶瓷电容器

SkyCap 系列是业界领先的保形瓷包径向引线多层电容器。

外壳材料：

• 环氧 • 引线材料：100% 锡 • 通过 AEC-Q200 标准认证 • 温度范围达 150°C

尺寸代码	尺寸 - 英寸 (mm) 最大 W 值	最大 H 值	最大 T 值	L.S.
15	.150 (3.81)	.150 (3.81)	.100 (2.54)	.100 (2.54)
20	.200 (5.08)	.200 (5.08)	.125 (3.175)	.100 (2.54)
21	.200 (5.08)	.200 (5.08)	.125 (3.175)	.200 (5.08)
30	.300 (7.62)	.300 (7.62)	.150 (3.81)	.200 (5.08)
40	.400 (10.16)	.400 (10.16)	.150 (3.81)	.200 (5.08)

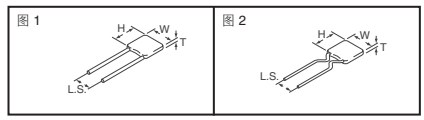


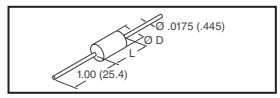
图	电介质	尺寸代码	VDC	电容	电容公差 (%)	Digi-Key 零件编号	价格 1	10	100	AVX 零件编号
1	C0G (NP0)	15	50	100pF	±10	478-5083-ND	.45	3.29	23.50	AR155A101K4R
	C0G (NP0)	15	50	1000pF	±10	478-5084-ND	.48	3.57	25.50	AR155A102K4R
2	C0G (NP0)	21	200	10pF	±5	478-5102-ND	.44	3.28	23.40	AR212A100J4R
	C0G (NP0)	21	200	22pF	±5	478-5104-ND	.44	3.28	23.40	AR212A220J4R
	C0G (NP0)	21	200	33pF	±5	478-5106-ND	.57	4.21	30.05	AR212A330J4R
	C0G (NP0)	21	200	47pF	±5	478-5107-ND	.57	4.21	30.05	AR212A470J4R
	C0G (NP0)	21	200	100pF	±5	478-5103-ND	.57	4.21	30.05	AR212A101J4R
	C0G (NP0)	21	200	220pF	±5	478-5105-ND	.57	4.21	30.05	AR212A221J4R
	C0G (NP0)	21	100	100pF	±10	478-4495-ND	.45	3.29	23.50	AR211A101K4R
	C0G (NP0)	21	100	330pF	±5	478-5099-ND	.57	4.21	30.05	AR211A331J4R
	C0G (NP0)	21	100	470pF	±5	478-5100-ND	.57	4.21	30.05	AR211A471J4R
	C0G (NP0)	21	100	1000pF	±10	478-4496-ND	.51	3.78	27.00	AR211A102K4R
	C0G (NP0)	21	50	33pF	±10	478-5112-ND	.40	2.92	20.88	AR215A330K4R
	C0G (NP0)	21	50	100pF	±10	478-5108-ND	.45	3.29	23.50	AR215A101K4R
	C0G (NP0)	21	50	1000pF	±5	478-5109-ND	.63	4.65	33.23	AR215A102J4R
	C0G (NP0)	21	50	2200pF	±5	478-5111-ND	1.14	8.41	60.10	AR215A222J4R
	C0G (NP0)	21	50	4700pF	±5	478-5113-ND	1.32	9.74	69.58	AR215A472J4R
	C0G (NP0)	21	50	8200pF	±5	478-5114-ND	1.39	10.27	73.38	AR215A822J4R
1	X7R	15	100	4700pF	±10	478-5082-ND	.35	2.57	18.35	AR151C472K4R
	X7R	15	100	10000pF	±10	478-5081-ND	.38	2.80	20.00	AR151C103K4R
	X7R	20	100	1000pF	±10	478-5088-ND	.45	3.29	23.50	AR201C102K4R
	X7R	15	50	1000pF	±10	478-5085-ND	.31	2.28	16.25	AR155C102K4R
	X7R	15	50	10000pF	±10	478-4497-ND	.32	2.35	16.78	AR155C103K4R
	X7R	15	50	15000pF	±10	478-5086-ND	.32	2.35	16.78	AR155C153K4R
	X7R	15	50	.10μF	±10	478-4498-ND	.38	2.80	20.00	AR155C104K4R

图	电介质	尺寸代码	VDC	电容	电容公差 (%)	Digi-Key 零件编号	价格 1	10	100	AVX 零件编号
1	X7R	20	100	10000pF	±10	478-5089-ND	.45	3.29	23.50	AR201C103K4R
	X7R	20	100	.10μF	±10	478-5090-ND	.51	3.73	26.63	AR201C104K4R
	X7R	40	100	1.0μF	±10	478-4504-ND	9.02	66.43	474.50	AR401C105K4R
	X7R	20	50	.22μF	±10	478-5092-ND	1.11	8.19	58.50	AR205C224K4R
	X7R	30	50	.33μF	±10	478-5122-ND	1.84	13.55	96.78	AR305C334K4R
	X7R	30	50	.47μF	±10	478-4503-ND	2.35	17.29	123.50	AR305C474K4R
2	X7R	21	100	1000pF	±10	478-4499-ND	.42	3.08	22.00	AR211C102K4R
	X7R	21	100	10000pF	±10	478-4500-ND	.42	3.08	22.00	AR211C103K4R
	X7R	21	100	.10μF	±10	478-4501-ND	.51	3.73	26.63	AR211C104K4R
	X7R	21	50	1000pF	±10	478-5115-ND	.41	3.05	21.75	AR215C102K4R
	X7R	21	50	10000pF	±10	478-5116-ND	.41	3.05	21.75	AR215C103K4R
	X7R	21	50	47000pF	±10	478-5118-ND	.44	3.28	23.40	AR215C473K4R
	X7R	21	50	.10μF	±10	478-5117-ND	.48	3.50	25.00	AR215C104K4R
	X7R	21	50	.22μF	±10	478-4502-ND	1.16	8.58	61.25	AR215C224K4R
1	X8R	20	50	1000pF	±10	478-5094-ND	.57	4.19	29.90	AR205F102K4R
	X8R	20	50	10000pF	±10	478-5095-ND	.57	4.19	29.90	AR205F103K4R
	X8R	20	50	47000pF	±10	478-5098-ND	.51	3.77	26.90	AR205F473K4R
	X8R	20	50	.10μF	±10	478-5096-ND	.56	4.13	29.50	AR205F104K4R
	X8R	20	50	.33μF	±10	478-5097-ND	.60	4.40	31.40	AR205F334K4R
2	X8R	21	50	1000pF	±10	478-4492-ND	.50	3.68	26.25	AR215F102K4R
	X8R	21	50	10000pF	±10	478-4493-ND	.50	3.68	26.25	AR215F103K4R
	X8R	21	50	22000pF	±10	478-5119-ND	.38	2.77	19.80	AR215F223K4R
	X8R	21	50	47000pF	±10	478-5121-ND	.53	3.89	27.75	AR215F473K4R
	X8R	21	50	.10μF	±10	478-4494-ND	.57	4.20	30.00	AR215F104K4R
	X8R	21	50	.33μF	±10	478-5120-ND	.50	3.72	26.58	AR215F334K4R

F

SpinGuard® 轴向引线陶瓷电容器

SpinGuard 系列是业界领先的保形瓷包轴向引线多层电容器。应用：• 去耦 • 滤波



电介质	VDC	电容	电容公差 (%)	尺寸 - 英寸 (mm) 最大 L 值	最大 D 值	Digi-Key 零件编号	剪切带价格 1	10	100	1,000	Digi-Key 零件编号	带卷 数量	价格	AVX 零件编号
C0G (NP0)	200	10pF	±5	.170 (4.32)	.100 (2.54)	478-5200-1-ND◆	.17	1.62	11.70	81.00	478-5200-2-ND◆	7,500	54.00/M	SA102A100JAR
	200	15pF	±5	.170 (4.32)	.100 (2.54)	478-5201-1-ND◆	.30	2.85	20.57	142.43	478-5201-2-ND◆	7,500	95.00/M	SA102A150JAR
	200	22pF	±5	.170 (4.32)	.100 (2.54)	478-3142-1-ND◆	.19	1.85	13.33	92.25	478-3142-2-ND◆	7,500	62.00/M	SA102A220JAR
	200	33pF	±5	.170 (4.32)	.100 (2.54)	478-5202-1-ND◆	.30	2.85	20.57	142.43	478-5202-2-ND◆	7,500	95.00/M	SA102A330JAR
	200	100pF	±5	.170 (4.32)	.100 (2.54)	478-3141-1-ND◆	.19	1.85	13.33	92.25	478-3141-2-ND◆	7,500	62.00/M	SA102A101JAR
	100	1000pF	±5	.170 (4.32)	.100 (2.54)	478-6060-1-ND◆	.24	2.25	16.25	112.50	478-6060-2-ND◆	7,500	75.00/M	SA101A102JAR
	100	220pF	±5	.170 (4.32)	.100 (2.54)	478-5197-1-ND◆	.17	1.62	11.70	81.00	478-5197-2-ND◆	7,500	54.00/M	SA101A221JAR
	100	470pF	±5	.118 (3.00)	.090 (2.30)	478-4841-1-ND◆	.31	2.93	21.13	146.25	478-4841-2-ND◆	7,500	54.00/M	SA101A471JAR
	50	1000pF	±5	.170 (4.32)	.100 (2.54)	478-3147-1-ND◆	.23	2.16	15.60	108.00	478-3147-2-ND◆	7,500	72.00/M	SA105A102JAR
X7R	100	1000pF	±10	.170 (4.32)	.100 (2.54)	478-3143-1-ND◆	.16	1.53	11.05	76.50	478-3143-2-ND◆	7,500	51.00/M	SA101C102KAR
	100	2200pF	±10	.170 (4.32)	.100 (2.54)	478-5198-1-ND◆	.28	2.66	19.18	132.75	478-5198-2-ND◆	7,500	89.00/M	SA101C222KAR
	100	4700pF	±10	.118 (3.00)	.090 (2.30)	478-4842-1-ND◆	.28	2.66	19.18	132.75	478-4842-2-ND◆	7,500	47.00/M	SA101C472KAR
	100	10000pF	±10	.170 (4.32)	.100 (2.54)	478-3144-1-ND◆	.16	1.53	11.05	76.50	478-3144-2-ND◆	7,500	51.00/M	SA101C103KAR
	100	56000pF	±10	.290 (7.37)	.150 (3.81)	478-2429-1-ND	.31	2.93	21.13	146.25	—	—	—	SA301C563KAA
	100	56000pF	±10	.290 (7.37)	.150 (3.81)	478-3145-1-ND◆	.37	3.51	25.35	175.50	478-3145-2-ND◆	5,000	117.00/M	SA301C563KAR
	100	.10μF	±10	.290 (7.37)	.150 (3.81)	478-3146-1-ND◆	.39	3.69	26.65	184.50	478-3146-2-ND◆	5,000	123.00/M	SA301C104KAR
	50	10000pF	±5	.170 (4.32)	.100 (2.54)	478-5204-1-ND◆	.42	4.01	28.93	200.25	478-5204-2-ND◆	7,500	134.00/M	SA105C103JAR
	50	10000pF	±10	.170 (4.32)	.100 (2.54)	478-3148-1-ND◆	.16	1.49	10.73	74.25	478-3148-2-ND◆	7,500	50.00/M	SA105C103KAR
	50	22000pF	±10	.170 (4.32)	.100 (2.54)	478-5205-1-ND◆	.21	2.03	14.63	101.25	478-5205-2-ND◆	7,500	68.00/M	SA105C223KAR
	50	.10μF	±10	.170 (4.32)	.100 (2.54)	478-3150-1-ND◆	.17	1.62	11.70	81.00	478-3150-2-ND◆	7,500	54.00/M	SA105C104KAR
	50	.10μF	±10	.170 (4.32)	.120 (3.05)	478-3151-1-ND◆	.19	1.85	13.33	92.25	478-3151-2-ND◆	5,000	62.00/M	SA115C104KAR
	50	.10μF	±10	.260 (6.60)	.100 (2.54)	478-2436-1-ND	.21	2.03	14.63	101.25	—	—	—	SA205C104KAA
	50	.10μF	±10	.260 (6.60)	.100 (2.54)	478-3152-1-ND◆	.26	2.43	17.55	121.50	478-3152-2-ND◆	5,000	81.00/M	SA205C104KAR
	50	.10μF	±10	.290 (7.37)	.150 (3.81)	478-5207-1-ND◆	.36	3.38	24.38	168.75	478-5207-2-ND◆	5,000	113.00/M	SA305C104KAR
	50	.22μF	±10	.290 (7.37)	.150 (3.81)	478-3153-1-ND◆	.64	6.08	43.88	303.75	478-3153-2-ND◆	5,000	203.00/M	SA305C224KAR
X5R	10	3.3μF	±10	.170 (4.32)	.100 (2.54)	478-3974-1-ND	1.02	9.68	69.88	483.75	478-3974-2-ND	7,500	323.00/M	SA10ZD335KAA
Z5U	100	.10μF	±20	.170 (4.32)	.120 (3.05)	478-3154-1-ND◆	.16	1.53	11.05	76.50	478-3154-2-ND◆	5,000	51.00/M	SA111E104MAR
	50	10000pF	±20	.170 (4.32)	.100 (2.54)	478-3155-1-ND◆	.16	1.53	11.05	76.50	478-3155-2-ND◆	7,500	51.00/M	SA105E103MAR
	50	.10μF	±20	.170 (4.32)	.100 (2.54)	478-3156-1-ND◆	.16	1.53	11.05	76.50	478-3156-2-ND◆	7,500	51.00/M	SA105E104MAR
	50	.10μF	-20/+80	.170 (4.32)	.100 (2.54)	478-3157-1-ND◆	.16	1.53	11.05	76.50	478-3157-2-ND◆	7,500	51.00/M	SA105E104ZAR
	50	.22μF	±20	.170 (4.32)	.100 (2.54)	478-5797-ND‡◆	.27	1.96	14.00	78.40	—	—	—	SA105E224MAR
	50	.33μF	±20	.170 (4.32)	.120 (3.05)	478-5206-1-ND◆	.32	3.02	21.78	150.75	478-5206-2-ND◆	5,000	101.00/M	SA115E334MAR
	50	.47μF	±20	.290 (7.37)	.150 (3.81)	478-3158-1-ND◆	.51	4.86	35.10	243.00	478-3158-2-ND◆	5,000	162.00/M	SA305E474MAR
	50	1.0μF	±20	.290 (7.37)	.150 (3.81)	478-3159-1-ND◆	.74	6.98	50.38	348.75	478-3159-2-ND◆	5,000	233.00/M	SA305E105MAR

‡ 散装 ◆ *符合 RoHS 规范要求*