

## 多层 RF 云母电容器 - 径向引线

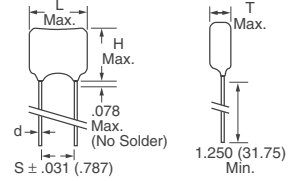
Cornell Dubilier 云母电容器由纯印度 Ruby 白云母制成。这是世界上惰性最大和最稳定的材料之一。用作电容器绝缘（电介质）时，该电子元件稳定性和可靠性最佳。从零到满载额定工作电压的电容变化一般低于 ±0.1%。这些电容器的串电感小到只有八毫微亨（nH）。在频率方面它们也具有非常稳定的特性，这就是为什么云母电容器在兆赫范围极其有用的原因。

云母电容器效率很高，仅有不超过施加伏安的 0.05% 以热量损失。浸银云母电容器，

例如标准型，采用在超薄云母片上涂纯银的方法制造。云母片堆叠并由铜夹固定，每个贴片焊有铜包钢引线。金属额外质量充当散热器，使这些电容器每微秒可以吸收高达 100,000 伏的暂态电压。

技术规格：

- 制造商零件编号字母：D03=±1/2 pF • 制造商零件编号字母：J03=±5%
- 制造商零件编号字母：F03=±1% 温度范围：-55°C - 125°C



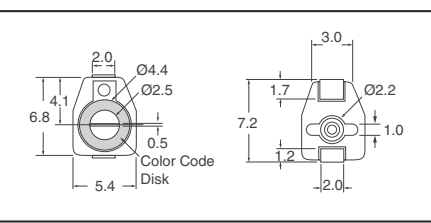
电压	电容	温度系数 (ppm/°C)	尺寸: 英寸 (mm)				Digi-Key 零件编号	单价			Cornell Dubilier 零件编号	
			L 最大值	H 最大值	T 最大值	S		d	10	100		
标准												
100	1000pF	0 - 70	.480 (12.2)	.400 (10.2)	.230 (5.8)	.234 (5.9)	.025 (6)	338-1048-ND	3.42	2.94	2.45	CD15FA102J03
	1000pF	0 - 70	.480 (12.2)	.400 (10.2)	.230 (5.8)	.234 (5.9)	.025 (6)	338-1092-ND	5.78	4.95	4.13	CD15FA102F03
300	680pF	0 - 70	.470 (11.9)	.390 (9.9)	.210 (5.3)	.234 (5.9)	.025 (6)	338-1060-ND	3.14	2.70	2.25	CD15FC681J03
	560pF	0 - 70	.460 (11.7)	.380 (9.7)	.210 (5.3)	.234 (5.9)	.025 (6)	338-1081-ND	2.61	2.24	1.87	CD15FC561J03
500	5pF	-200 - 200	.360 (9.1)	.330 (8.4)	.190 (4.8)	.141 (3.6)	.016 (4)	338-1064-ND	2.05	1.76	1.47	CD10CD050D03
	10pF	-200 - 200	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1061-ND	1.01	.87	.73	CD15CD100J03
500	10pF	-200 - 200	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1063-ND	1.01	.87	.73	CD15CD100D03
	15pF	-200 - 200	.460 (11.7)	.370 (9.4)	.180 (4.6)	.141 (3.6)	.016 (4)	338-1088-ND	2.05	1.76	1.47	CD10CD150J03
500	15pF	-200 - 200	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1054-ND	.97	.84	.70	CD15CD150J03
	20pF	-20 - 100	.360 (9.1)	.330 (8.4)	.190 (4.8)	.141 (3.6)	.016 (4)	338-1095-ND	1.54	1.33	1.11	CD10ED200J03
500	20pF	-20 - 100	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1051-ND	.97	.84	.70	CD15ED200J03
	22pF	-20 - 100	.360 (9.1)	.330 (8.4)	.190 (4.8)	.141 (3.6)	.016 (4)	338-1070-ND	1.54	1.33	1.11	CD10ED220J03
500	22pF	-20 - 100	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1049-ND	1.01	.87	.72	CD15ED220J03
	27pF	-20 - 100	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1085-ND	1.01	.87	.72	CD15ED270J03
500	30pF	-20 - 100	.370 (9.4)	.340 (8.6)	.190 (4.8)	.141 (3.6)	.016 (4)	338-1076-ND	1.54	1.33	1.11	CD10ED300J03
	30pF	-20 - 100	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1056-ND	1.01	.87	.72	CD15ED300J03
500	33pF	-20 - 100	.370 (9.4)	.340 (8.6)	.190 (4.8)	.141 (3.6)	.016 (4)	338-1072-ND	1.54	1.33	1.11	CD10ED330J03
	33pF	-20 - 100	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1047-ND	1.01	.87	.72	CD15ED330J03
500	39pF	-20 - 100	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1093-ND	1.01	.87	.72	CD15ED390J03
	47pF	-20 - 100	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1053-ND	.99	.86	.71	CD15ED470J03
500	68pF	-20 - 100	.450 (11.4)	.360 (9.1)	.170 (4.3)	.234 (5.9)	.025 (6)	338-1091-ND	1.04	.90	.75	CD15ED680J03
	100pF	0 - 70	.370 (9.4)	.350 (8.9)	.200 (5.1)	.141 (3.6)	.016 (4)	338-1050-ND	1.90	1.63	1.36	CD10FD101J03
500	100pF	0 - 70	.460 (11.7)	.360 (9.1)	.180 (4.6)	.234 (5.9)	.025 (6)	338-1042-ND	1.04	.90	.75	CD15FD101J03
	120pF	0 - 70	.460 (11.7)	.370 (9.4)	.180 (4.6)	.234 (5.9)	.025 (6)	338-1058-ND	1.13	.97	.81	CD15FD121J03
500	150pF	0 - 70	.460 (11.7)	.370 (9.4)	.190 (4.8)	.234 (5.9)	.025 (6)	338-1052-ND	1.19	1.02	.85	CD15FD151J03
	180pF	0 - 70	.460 (11.7)	.370 (9.4)	.190 (4.8)	.234 (5.9)	.025 (6)	338-1062-ND	1.37	1.18	.98	CD15FD181J03
500	200pF	0 - 70	.460 (11.7)	.380 (9.7)	.190 (4.8)	.234 (5.9)	.025 (6)	338-1063-ND	1.37	1.18	.98	CD15FD201J03
	220pF	0 - 70	.460 (11.7)	.380 (9.7)	.200 (5.1)	.234 (5.9)	.025 (6)	338-1046-ND	1.42	1.22	1.02	CD15FD221J03
500	240pF	0 - 70	.460 (11.7)	.380 (9.7)	.200 (5.1)	.234 (5.9)	.025 (6)	338-1079-ND	1.52	1.31	1.09	CD15FD241J03
	270pF	0 - 70	.470 (11.9)	.390 (9.9)	.210 (5.3)	.234 (5.9)	.025 (6)	338-1062-ND	1.65	1.42	1.18	CD15FD271J03
500	300pF	0 - 70	.470 (11.9)	.390 (9.9)	.210 (5.3)	.234 (5.9)	.025 (6)	338-1065-ND	1.77	1.53	1.27	CD15FD301J03
	330pF	0 - 70	.470 (11.9)	.390 (9.9)	.210 (5.3)	.234 (5.9)	.025 (6)	338-1045-ND	1.94	1.67	1.39	CD15FD331J03
500	390pF	0 - 70	.470 (11.9)	.390 (9.9)	.210 (5.3)	.234 (5.9)	.025 (6)	338-1057-ND	2.10	1.80	1.50	CD15FD391J03
	470pF	0 - 70	.470 (11.9)	.400 (10.2)	.220 (5.6)	.234 (5.9)	.025 (6)	338-1043-ND	2.42	2.08	1.73	CD15FD471J03
500	470pF	0 - 70	.640 (16.3)	.510 (13.0)	.200 (5.1)	.344 (8.7)	.032 (8)	338-1089-ND	1.90	1.64	1.36	CD19FD471J03
	500pF	0 - 70	.470 (11.9)	.400 (10.2)	.220 (5.6)	.234 (5.9)	.025 (6)	338-1069-ND	2.50	2.14	1.79	CD15FD501J03
500	510pF	0 - 70	.470 (11.9)	.400 (10.2)	.220 (5.6)	.234 (5.9)	.025 (6)	338-1077-ND	2.61	2.24	1.87	CD15FD511J03
	680pF	0 - 70	.650 (16.5)	.510 (13.0)	.210 (5.3)	.344 (8.7)	.032 (8)	338-1086-ND	2.24	1.92	1.60	CD19FD681J03
500	820pF	0 - 70	.650 (16.5)	.510 (13.0)	.210 (5.3)	.344 (8.7)	.032 (8)	338-1094-ND	2.22	1.91	1.59	CD19FD821J03
	1000pF	0 - 70	.650 (16.5)	.520 (13.2)	.220 (5.6)	.344 (8.7)	.025 (6)	338-1044-ND	2.37	2.04	1.70	CD19FD102J03
500	1500pF	0 - 70	.660 (16.8)	.520 (13.2)	.230 (5.8)	.344 (8.7)	.032 (8)	338-1071-ND	3.07	2.64	2.20	CD19FD152J03
	2000pF	0 - 70	.670 (17.0)	.530 (13.5)	.240 (6.1)	.344 (8.7)	.032 (8)	338-1074-ND	3.91	3.35	2.79	CD19FD202J03
500	2200pF	0 - 70	.670 (17.0)	.530 (13.5)	.250 (6.4)	.344 (8.7)	.032 (8)	338-1055-ND	3.92	3.36	2.80	CD19FD222J03
	4700pF	0 - 70	.700 (17.8)	.580 (14.7)	.350 (8.9)	.344 (8.7)	.032 (8)	338-1067-ND	6.53	5.61	4.67	CD19FD472J03
500	10000pF	0 - 70	.800 (20.3)	.890 (22.6)	.340 (8.6)	.498 (11.1)	.040 (1.0)	338-1078-ND	14.40	12.35	10.29	CD30FD103J03
	微型											
300	5pF	-200 - 200	.270 (6.9)	.190 (4.8)	.110 (2.8)	.120 (3.0)	.016 (4)	338-1073-ND	1.79	1.53	1.28	CD5CC050D03
	10pF	-200 - 200	.270 (6.9)	.190 (4.8)	.110 (2.8)	.120 (3.0)	.016 (4)	338-1090-ND	1.28	1.10	.92	CD5CC100J03
300	15pF	-200 - 200	.270 (6.9)	.190 (4.8)	.120 (3.0)	.120 (3.0)	.016 (4)	338-1083-ND	1.32	1.14	.95	CD5CC150J03
	20pF	-20 - 100	.270 (6.9)	.200 (5.1)	.120 (3.0)	.120 (3.0)	.016 (4)	338-1075-ND	1.35	1.16	.97	CD5CC200J03
300	22pF	-20 - 100	.270 (6.9)	.200 (5.1)	.120 (3.0)	.120 (3.0)	.016 (4)	338-1080-ND	1.41	1.22	1.01	CD5CC220J03
	30pF	-20 - 100	.270 (6.9)	.200 (5.1)	.130 (3.3)	.120 (3.0)	.016 (4)	338-1087-ND	1.51	1.30	1.08	CD5CC300J03
300	33pF	-20 - 100	.270 (6.9)	.200 (5.1)	.130 (3.3)	.120 (3.0)	.016 (4)	338-1066-ND	1.56	1.35	1.12	CD5CC330J03
	47pF	-20 - 100	.270 (6.9)	.210 (5.3)	.140 (3.6)	.120 (3.0)	.016 (4)	338-1084-ND	1.75	1.50	1.25	CD5CC470J03
300	100pF	0 - 70	.270 (6.9)	.240 (6.1)	.180 (4.6)	.120 (3.0)	.016 (4)	338-1059-ND	2.59	2.23	1.86	CD5FC101J03



## GSX 系列 SMD 微调电容器

技术规格：  
 • 工作温度范围：-25°C - 85°C • 额定电压：100VDC • 电介质承受电压：200VDC • 绝缘电阻：最小 10<sup>4</sup> MΩ  
 • 扭矩：20 至 300 g-cm (0.28 至 4.2 oz-in)

电容 (pF)	TCC (ppm/°C)	Q (最小)	颜色代码	Digi-Key 零件编号	剪切带价格	Digi-Key 零件编号	带卷价格	Sprague-Goodman 零件编号
最小	最大	10MHz			10	100	3,000	
0.5	4.5	N100	1000	SG2018CT-ND	12.90	111.00	550.00/M	GSX364
0.6	9.0	N100	1000	SG2017CT-ND	14.70	126.00	625.41/M	GSX358
0.8	15.0	N100	1000	SG2019CT-ND	16.30	140.00	700.00/M	GSX365
1.0	20.0	N100	1000	SG2020CT-ND	23.44	200.94	1004.71/M	GSX366



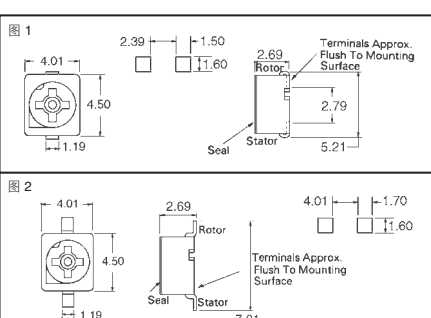
## SURFTRIM® 表面贴装可变电容器

• 密封构造 • 4x4.5x2.7mm

特点：• 制作密封防止了制造过程中的污染（焊剂、溶剂等）• 专为汽相回流焊接而设计。

技术规格：  
 • 工作温度范围：-25°C - 85°C • 电介质承受电压：220VDC • 绝缘电阻：最小 10<sup>4</sup> MΩ • 额定电压：100VDC • 扭矩：15 至 100 g-cm (0.2 至 1.39 in-oz)

图	电容 (pF)	TCC (ppm/°C)	Q (最小)	颜色代码	Digi-Key 零件编号	剪切带价格	带卷价格	Sprague-Goodman 零件编号
	最小	最大	1MHz			5	25	100
1	1.4	3.0	0±200	300	SG2000CT-ND	5.40	23.63	74.25
	2.0	6.0	0±200	500	SG2001CT-ND	5.40	23.63	74.25
	3.0	10.0	0±300	500	SG2002CT-ND	5.40	23.63	74.25
2	1.4	3.0	0±200	300	SG2007CT-ND	6.40	28.00	88.00
	3.0	10.0	0±300	500	SG2009CT-ND	6.40	28.00	88.00
	6.5	30.0	N900±450	300	SG2011CT-ND	6.40	28.00	88.00



\* 标记在电容器底部 ↑ 将 CT-ND 改为 TR-N，即为带卷包装的零件编号。◆ 符合 RoHS 规范要求