CAK55型 有失效率等级的片式导电聚合物钽固定电容器

★ 特征与用途 (FEATURES AND APPLICATIONS

- ◆ 树脂模压封装、密封性好、片式、体积小、重量轻、有极性;
- ◆ 导电聚合物电解质、超低ESR、高频容量保持、储存稳定性好;
- ◆ 高可靠性、高安全性:
- ◆ 不燃烧、不爆炸、良性失效模式:
- ◆ 适用于通信、船舶等电子设备;
- ◆ 执行标准: GJB 2283A-2014、ZZR-Q/XEC 20072A-2015:
- ◆ 订货书写格式: CAK55-D-16V-100 μ F-M-100只。



★ 主要技术性能 MAIN TECHNICAL PERFORMANCE

- ◆ 使用温度范围: -55°C~+125°C(>85°C时施加降额电压使用);
- ◆ 额定电压、降额电压: 见表2;
- ◆ 电容量允许公差: K: ±10%、M: ±20%;
- ◆ 室温漏电流: I0≤0.1×UR×CR(µA)或0.5µA(取大者);
- ◆ 损耗角正切: 见表3;
- ◆ 等效串联电阻:见表3。
- ◆ 高低温特性: 见表3;
- ◆ 外形及尺寸: 见图1、表1。



产品实物图

★ 外观尺寸 SHAPE AND DIMENSIONS

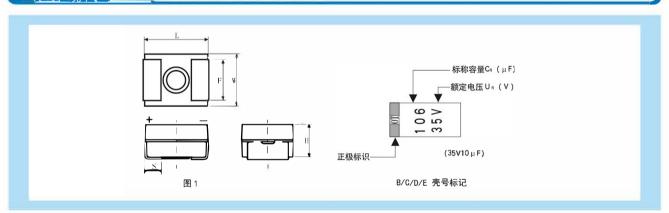


表 1 电容器的外形尺寸

单位:mm

売号	EIA	L	W	Н	F	S
В	3528-21	3.50±0.20	2.80±0.20	1.90±0.20	2. 20±0. 10	0.80±0.30
С	6032-28	6.00±0.30	3. 20±0. 30	2.50±0.30	2. 20±0. 10	1.30±0.30
D	7343-31	7, 30±0. 30	4.30±0.30	2.80±0.30	2.40±0.10	1.30±0.30
E	7343-43	7.30±0.30	4.30±0.30	4.00±0.30	2.40±0.10	1.30±0.30

表2 电容器的额定电压、降额电压

		《七/上						
额定电压U _R (V)	4	6. 3	10	16	20	25	35	50
降额电压Uc(V)	2. 7	4	6.7	10	13. 3	16. 7	23. 3	33. 3



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标称	売	直流	漏电流(max)	电容量变化范围			ž	ESR/C (max)			
电容量 µF	号	+25°C	μ A +85 °C	+125 °C	-55°C	+85°C	+125 °C	-55 °C	+25 °C	% +85°C	+125 °C	25°C,
						额定电压	4. 0V					
10	В	4. 0	32	40	±10	±20	±30	10	10	12	15	0. 12
15	В	6. 0	48	60	±10	±20	±30	10	10	12	15	0. 10
22	В	8. 8	70	88	±10	±20	±30	10	10	12	15	0. 09
22	С	8. 8	70	88	±10	±20	±30	10	10	12	15	0. 07
33	D	13. 2	106	132	±10	±20	±30	10	10	12	15	0. 07
47	D	18. 8	150	188	±10	±20	±30	10	10	12	15	0. 07
68	D	27. 2	218	272	±10	±20	±30	10	10	12	15	0. 07
75	D	30. 0	240	300	±10	±20	±30	10	10	12	15	0. 07
100	D	40. 0	320	400	±10	±20	±30	10	10	12	15	0.06
150	Е	60. 0	480	600	±10	±20	±30	10	10	12	15	0. 05
220	Е	88. 0	704	880	±10	±20	±30	12	12	12	15	0. 05
330	Е	132. 0	1056	1320	±10	±20	±30	12	12	12	15	0. 04
470	Е	188. 0	1504	1880	±10	±20	±30	12	12	12	15	0. 04
						额定电压	6. 3V					
6.8	В	4. 3	34	43	±10	±20	±30	10	10	12	15	0. 12
10	В	6. 3	50	63	±10	±20	±30	10	10	12	15	0. 12
15	В	9. 5	76	95	±10	±20	±30	10	10	12	15	0. 12
22	В	13. 9	111	139	±10	±20	±30	10	10	12	15	0. 09
33	С	20. 8	166	208	±10	±20	±30	10	10	12	15	0. 07
33	D	20. 8	166	208	±10	±20	±30	10	10	12	15	0. 07
47	С	29. 6	237	296	±10	±20	±30	10	10	12	15	0. 07
47	D	29. 6	237	296	±10	±20	±30	10	10	12	15	0. 07
68	D	42. 8	343	428	±10	±20	±30	10	10	12	15	0. 06
75	D	47. 3	378	473	±10	±20	±30	10	10	12	15	0. 06
100	D	63. 0	504	630	±10	±20	±30	10	10	12	15	0. 06
150	D	94. 5	756	945	±10	±20	±30	12	12	12	15	0. 06
150	E	94. 5	756	945	±10	±20	±30	12	12	12	15	0. 06
220	D	138. 6	1109	1386	±10	±20	±30	12	12	12	15	0. 05
220	Е	138. 6	1109	1386	±10	±20	±30	12	12	12	15	0. 05
330	Е	207. 9	1663	2079	±10	±20	±30	12	12	12	15	0. 04
						额定电压	10V					
4. 7	В	4. 7	38	47	±10	±20	±30	10	10	12	15	0. 15
6.8	В	6. 8	54	68	±10	±20	±30	10	10	12	15	0. 15
10	В	10. 0	80	100	±10	±20	±30	10	10	12	15	0. 10
15	С	15. 0	120	150	±10	±20	±30	10	10	12	15	0. 10
22	С	22. 0	176	220	±10	±20	± 30	10	10	12	15	0.07



标称	売	直流	漏电流(max)	F	电容量变化?	————— 范围	损耗角正切值(max) %				ESR/Ω
电容量	号	+25°C	μ A +85°C	+125 °C	-55°C	% +85°C	+125 °C	-55 °C	+25 °C	% +85°C	+125 °C	(max) 25°C,
μF		123 C	100 C	1123 0	330	额定电压		33 0	123 C	100 C	1123 C	100KHz
33	С	33. 0	264	330	±10	土20	±30	10	10	12	15	0. 07
33	D	33. 0	264	330	±10	±20	±30	10	10	12	15	0. 07
47	D	47. 0	376	470	±10	±20	±30	10	10	12	15	0. 07
68	D	68. 0	544	680	±10	±20	±30	10	10	12	15	0. 06
75	D	68. 0	544	680	±10	±20	±30	10	10	12	15	0. 06
100	D	100. 0	800	1000	±10	±20	±30	10	10	12	15	0. 06
100	Е	100. 0	800	1000	±10	±20	±30	10	10	12	15	0. 06
150	D	150. 0	1200	1500	±10	±20	±30	12	12	12	15	0. 05
150	Е	150. 0	1200	1500	±10	±20	±30	12	12	12	15	0. 05
220	Е	220. 0	1760	2200	±10	±20	±30	12	12	12	15	0. 05
330	Е	330. 0	2640	3300	±10	±20	±30	12	12	12	15	0. 05
						额定电压	16V					
2. 2	В	3. 5	28	35	±10	±20	±30	10	10	12	15	0. 25
3. 3	В	5. 3	42	53	±10	±20	±30	10	10	12	15	0. 25
4. 7	В	7. 5	60	75	±10	±20	±30	10	10	12	15	0. 15
6. 8	С	10. 9	87	109	±10	±20	±30	10	10	12	15	0. 15
10	С	16. 0	128	160	±10	±20	±30	10	10	12	15	0. 10
15	С	24. 0	192	240	±10	±20	±30	10	10	12	15	0. 07
22	С	35. 2	282	352	±10	±20	±30	10	10	12	15	0. 07
33	D	52. 8	422	528	±10	±20	±30	10	10	12	15	0. 07
47	D	75. 2	602	752	±10	±20	±30	10	10	12	15	0.06
68	D	108. 8	870	1088	±10	±20	±30	10	10	12	15	0. 06
75	D	120. 0	960	1200	±10	±20	±30	10	10	12	15	0.06
100	D	160. 0	1280	1600	±10	±20	±30	10	10	12	15	0. 05
100	Е	160. 0	1280	1600	±10	±20	±30	10	10	12	15	0. 05
150	D	240. 0	1920	2400	±10	±20	±30	10	10	12	15	0. 05
150	Е	240. 0	1920	2400	±10	±20	±30	10	10	12	15	0. 05
220	E	352. 0	2816	3520	±10	±20	±30	10	10	12	15	0. 05
330	Е	528. 0	4224	5280	±10	±20	±30	12	12	12	15	0. 05
						额定电压						
1.5	В	3. 0	24	30	±10	±20	±30	10	10	12	15	0. 25
2. 2	В	4. 4	35	44	±10	±20	±30	10	10	12	15	0. 20
3. 3	С	6. 6	53	66	±10	±20	±30	10	10	12	15	0. 20
4. 7	D	9.4	75	94	±10	±20	±30	10	10	12	15	0. 10
6. 8	D	13. 6	109	136	±10	±20	±30	10	10	12	15	0. 10
10	D	20. 0	160	200	±10	±20	±30	10	10	12	15	0. 10
15	D	30. 0	240	300	±10	±20	±30	10	10	12	15	0. 07



	CAK55 电容器的额定值及高低温稳定性参数											
标称	壳	直流	 漏电流(μA	(max)	E	e 自容量变化 %	 范围	损耗角正切值(max) %				ESR/Ω (max)
电容量 µF	号	+25 °C	+85°C	+125 °C	−55°C	+85°C	+125°C	-55 °C	+25 °C	+85 °C	+125 °C	25°C, 100KHz
额定电压 20V												
22	D	44. 0	352	440	±10	±20	±30	10	10	12	15	0.06
33	D	66. 0	528	660	±10	±20	±30	10	10	12	15	0. 06
47	Е	94. 0	752	940	±10	±20	±30	10	10	12	15	0. 05
						额定电压	25V					
1	В	2. 5	20	25	±10	±20	±30	10	10	12	15	0. 25
1.5	В	3. 8	30	38	±10	±20	±30	10	10	12	15	0. 25
2. 2	В	5. 5	44	55	±10	±20	±30	10	10	12	15	0. 20
3. 3	С	8. 3	66	83	±10	±20	±30	10	10	12	15	0. 20
4. 7	С	11. 8	94	118	±10	±20	±30	10	10	12	15	0. 15
4. 7	D	11.8	94	118	±10	±20	±30	10	10	12	15	0. 15
6. 8	С	17. 0	136	170	±10	±20	±30	10	10	12	15	0. 10
6. 8	D	17. 0	136	170	±10	±20	±30	10	10	12	15	0. 10
10	D	25. 0	200	250	±10	±20	±30	10	10	12	15	0. 09
15	D	37. 5	300	375	±10	±20	±30	10	10	12	15	0. 09
22	D	55. 0	440	550	±10	±20	±30	10	10	12	15	0. 09
33	D	82. 5	660	825	±10	±20	±30	10	10	12	15	0. 09
33	Е	82. 5	660	825	±10	±20	±30	10	10	12	15	0. 07
47	E	117. 5	940	1175	±10	±20	±30	10	10	12	15	0. 07
						额定电压	35V					
1	В	3. 5	28	35	±10	±20	±30	10	10	12	15	0. 35
2. 2	С	7. 7	62	77	±10	±20	±30	10	10	12	15	0. 20
3. 3	D	11. 6	92	116	±10	±20	±30	10	10	12	15	0. 20
4. 7	D	16. 5	132	165	±10	±20	±30	10	10	12	15	0. 15
6. 8	D	23. 8	190	238	±10	±20	±30	10	10	12	15	0. 15
10	D	35. 0	280	350	±10	±20	±30	10	10	12	15	0.09
10	Е	35. 0	280	350	±10	±20	±30	10	10	12	15	0. 09
15	D	52. 5	420	525	±10	±20	±30	10	10	12	15	0. 08
15	Е	52. 5	420	525	±10	±20	±30	10	10	12	15	0. 08
22	Е	77. 0	616	770	±10	±20	±30	10	10	12	15	0. 08
33	Е	115. 5	924	1155	±10	±20	±30	10	10	12	15	0. 08
		9 8 8	4 2 2			额定电压					-	2 300
2. 2	В	11. 0	88	110	±10	±20	±30	10	10	12	15	0. 40
2. 2	С	11. 0	88	110	±10	±20	±30	10	10	12	15	0. 40
3. 3	С	16. 5	132	165	±10	±20	±30	10	10	12	15	0. 40
3. 3	D	16. 5	132	165	±10	±20	±30	10	10	12	15	0. 40
4. 7	D	23. 5	188	235	±10	±20	±30	10	10	12	15	0. 30
6. 8	D	34. 0	272	340	±10	±20	±30	10	10	12	15	0. 25



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CAK55 电容器的额定值及高低温稳定性参数												
标称 电容量	売	直流漏电流(max) µA			电容量变化范围 %			损耗角正切值(max) %				ESR/Ω (max)
μF	号	+25°C	+85°C	+125 °C	−55°C	+85°C	+125°C	-55 °C	+25 °C	+85 °C	+125 °C	25°C, 100KHz
	额定电压 50V											
10	D	50.0	400	500	±10	±20	±30	10	10	12	15	0. 20
10	Е	50.0	400	500	±10	±20	±30	10	10	12	15	0. 20
15	D	75. 0	600	750	±10	±20	±30	10	10	12	15	0. 18
15	Е	75. 0	600	750	±10	±20	±30	10	10	12	15	0. 18
22	Е	110. 0	880	1100	±10	±20	±30	10	10	12	15	0. 15

注:要了解以上规格以外的产品,请联系顺络迅达电子。

