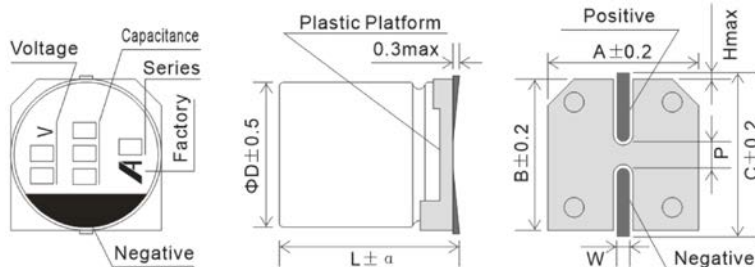


■ Description 产品描述:

Al-Ecap, 470uF, 35v, ±20%, D10H10.5mm, 2000Hrs@105°C, -55~+105°C, SMD.

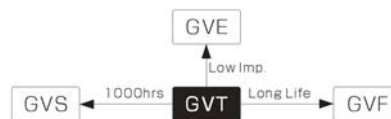
■ Dimension & Marking 印刷及尺寸:



■ Features 特长/用途:

- 105°C, 2,000 hours assured 宽温长寿命
- Designed for surface mounting on high density PC board 适合高密度表面安装

■ Serie Expansion 系列拓展



Items	A	B	C	D	P	L	α	W	H
Case φ10x10.5	10.3	10.3	11	10.0	4.7	10.5	±0.5	0.8~1.1	0.5max.

Items 项目	Performance 性能				
Rated Voltage 额定电压(V _R)	35 V				
Capacitance 额定容量(C _R)	470 uF (120Hz, 20°C)				
Category Temperature Range 类别温度范围	-55°C ~ +105°C				
Capacitance Tolerance 容量误差	-20% ~ +20% (120Hz, 20°C)				
Surge Voltage 浪涌电压(V _S)	40.3 V _{DC}				
Leakage Current 泄漏电流(I _{LC})	I _{LC} ≤ 164.5 uA After 2 minutes				
Dissipation Factor (Tanδ) 损失角正切值	≤ 0.16 (120Hz, 20°C)				
Ripple Current 纹波电流(I _{RC, rms})	320 mA (120Hz, 105°C)				
Low Temperature Characteristics 温度特性(120Hz)	Impedance ratio 阻抗比(Max.)	Z _(-25°C) / Z _(+20°C)	2		
		Z _(-55°C) / Z _(+20°C)	3		
Endurance and Shelf Life 耐久性及高温无负荷特性	Items 项目	Endurance 耐久性	Shelf Life Test 高温无负荷		
	Test Time 测试时长	2,000 Hrs at 105°C; V _R	1,000 Hrs at 105°C		
	Cap. Change 容量变化率	Within ±20% of initial Value ≤ 初始值的±20%	Within ±20% of initial Value ≤ 初始值的±20%		
	Tanδ 损失角正切值	Less than 200% of specified Value ≤ 初始规格值的±200%	Less than 200% of specified Value ≤ 初始规格值的±200%		
Leakage Current 漏电流	Whitin specified Value ≤ 初始规格值	Whitin specified Value ≤ 初始规格值			
Ripple Current and Frequency Multipliers 纹波电流频率系数	Frequency (Hz)	50, 60	120	1k	10k up
	Multiplier	0.80	1.00	1.20	1.30
Standards 参考标准	JIS C 5101-1, -18, IEC 60384-4				
Remarks 附注	RoHS Compliance, Halogen-free				

* Please refer to "Precautions and Guidelines for Aluminum Electrolytic Capacitors" section in catalog for further details 详细信息请参阅目录中的“铝电解电容器注意事项和指南”

Publication Date 发行日期	2022-02-15	Approved 批准		Checked 复核		Designed 设计	
Revision Date 修订日期			Lei Yang	Lei Yang	Chao Yu		
Version No.	1.0						

Dimension and Permissible Ripple Current 尺寸及纹波电流速查表:

uF \ WV	6.3v (0J)		10v (1A)		16v (1C)		25v (1E)		35v (1V)		50v (1H)		63v (1J)		100v (2A)	
	φ D x L	R.C.	φ D x L	R.C.	φ D x L	R.C.	φ D x L	R.C.	φ D x L	R.C.	φ D x L	R.C.	φ D x L	R.C.	φ D x L	R.C.
1.0											4x5.7	7	4x5.7	7	4x5.7	7
2.2											4x5.7	11	4x5.7	11	4x5.7	9
3.3									4x5.7	13	4x5.7	13	5x5.7	13	5x5.8	14
4.7							4x5.7	13	4x5.7	14	4x5.7	13	5x5.7	16	5x5.8	16
6.8							4x5.7	14	4x5.7	14	4x5.7	14	5x5.7	17	6.3x5.7	21
10					4x5.7	18	4x5.7	14	4x5.7	14	5x5.7	18	5x5.7	19	6.3x5.7	35
22			4x5.7	20	4x5.7	20	5x5.7	20	5x5.7	21	6.3x5.7	24	6.3x5.7	24	6.3x7.7	50
33	4x5.7	22	5x5.7	25	4x5.7	22	5x5.7	25	5x5.7	25	6.3x5.7	38	6.3x7.7	49	8x10.5	84
47	4x5.7	25	5x5.7	30	4x5.7	22	5x5.7	29	6.3x5.7	42	6.3x7.7	60	8x10.5	112	10x10.5	133
68	4x5.7	25	5x5.7	30	5x5.7	28	6.3x5.7	48	6.3x5.7	48	6.3x7.7	70	8x10.5	119	10x10.5	140
100	4x5.7	25	5x5.7	40	5x5.7	31	6.3x5.7	48	6.3x5.7	50	6.3x7.7	63	8x10.5	125	10x10.5	155
150	5x5.7	39	6.3x5.7	50	6.3x5.7	48	6.3x5.7	48	6.3x7.7	70	8x10.5	120	10x12.5	180		
220	5x5.7	39	6.3x5.7	50	6.3x5.7	48	6.3x5.7	48	6.3x7.7	70	8x10.5	120	10x12.5	180		
330	5x5.7	39	6.3x5.7	50	6.3x5.7	48	6.3x5.7	48	6.3x7.7	70	8x10.5	120	10x12.5	180		
470	5x5.7	45	6.3x5.7	62	6.3x5.7	65	6.3x7.7	95	6.3x7.7	100	8x10.5	155	10x10.5	205		
680	5x5.7	45	6.3x5.7	62	6.3x5.7	65	6.3x7.7	95	6.3x7.7	100	8x10.5	155	10x10.5	205		
1000	6.3x5.7	67	6.3x5.7	70	6.3x5.7	70	6.3x7.7	105	6.3x7.7	120	8x10.5	190	10x10.5	220		
1500	6.3x5.7	67	6.3x5.7	70	6.3x5.7	70	6.3x7.7	105	6.3x7.7	120	8x10.5	190	10x10.5	220		
2200	6.3x7.7	105	6.3x7.7	105	6.3x7.7	110	8x10.5	175	8x10.5	175	10x10.5	220	10x10.5	220		
3300	6.3x7.7	105	6.3x7.7	130	6.3x7.7	120	8x10.5	220	8x10.5	220	10x10.5	225	10x10.5	245		
4700	6.3x7.7	120	6.3x7.7	150	6.3x7.7	120	8x10.5	240	8x10.5	240	10x10.5	245	10x10.5	245		
6800	8x10.5	210	8x10.5	210	8x10.5	230	10x10.5	280	10x10.5	280	10x12.5	375	10x10.5	320		
10000	8x10.5	210	8x10.5	240	8x10.5	255	10x10.5	350	10x10.5	350	10x12.5	400	10x10.5	320		
15000	8x10.5	230	10x10.5	270	10x10.5	315	10x12.5	400					10x10.5	330		
22000	10x10.5	300	10x10.5	260	10x10.5	330							10x10.5	330		
33000	10x10.5	315	10x10.5	315	10x10.5	330							10x10.5	330		
47000	10x10.5	315	10x12.5	460									10x10.5	350		
68000	10x10.5	350											10x10.5	350		
100000	10x12.5	520											10x12.5	520		

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