

■ Description 产品描述:

Al-Ecap, 1000uF, 16v, ±20%, D10H10.5mm, 2000Hrs@105°C, -55~+105°C, SMD.

■ Dimension & Marking 印刷及尺寸:

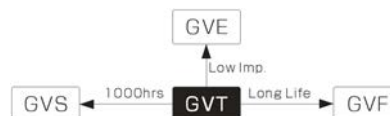


Items	A	B	C	D	P	L	α	W	H
Case $\phi 10 \times 10.5$	10.3	10.3	11	10.0	4.7	10.5	± 0.5	0.8~1.1	0.5max.

■ 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 项目	Performance 性能				
Rated Voltage 额定电压(V_R)	16 V				
Capacitance 额定容量(C_R)	1000 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)	18.4 V _{DC}				
Leakage Current 泄漏电流(I_{LC})	$I_{LC} \leq 160 \mu A$			After 2 minutes	
Dissipation Factor (Tan δ) 损失角正切值	≤ 0.20			(120Hz, 20°C)	
Ripple Current 纹波电流($I_{RC, rms}$)	330 mA			(120Hz, 105°C)	
Low Temperature Characteristics 温度特性(120Hz)	Impedance ratio 阻抗比(Max.)	$Z_{(-25^\circ C)} / Z_{(+20^\circ C)}$	3		
		$Z_{(-55^\circ C)} / Z_{(+20^\circ C)}$	6		
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 $\pm 20\%$ of initial Value \leq 初始值的 $\pm 20\%$	Within $\pm 20\%$ of initial Value \leq 初始值的 $\pm 20\%$		
	Tan δ 损失角正切值	Less than 200% of specified Value \leq 初始规格值的 $\pm 200\%$	Less than 200% of specified Value \leq 初始规格值的 $\pm 200\%$		
Leakage Current 漏电流	Whitin specified Value \leq 初始规格值	Whitin specified Value \leq 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				
Version No.	1.0			

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