

■ Description 产品描述:

Al-Ecap, 100uF, 10v, ±20%, D5H5.7mm, 2000Hrs@105°C, -55~+105°C, SMD.

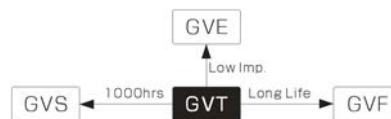
■ Dimension & Marking 印刷及尺寸:



■ 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 Φ5x5.7	5.3	5.3	6	5.0	1.5	5.7	±0.3	0.5~0.8	0.5max.

Items 项目	Performance 性能			
Rated Voltage 额定电压(V _R)	10 V			
Capacitance 额定容量(C _R)	100 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)	11.5 V _{DC}			
Leakage Current 泄漏电流(I _{LC})	I _{LC} ≤ 10 uA After 2 minutes			
Dissipation Factor (Tanδ) 损失角正切值	≤ 0.24 (120Hz, 20°C)			
Ripple Current 纹波电流(I _{RC, rms})	45 mA (120Hz, 105°C)			
Low Temperature Characteristics 温度特性(120Hz)	Impedance ratio 阻抗比(Max.)	Z _(-25°C) / Z _(+20°C)	4	
		Z _(-55°C) / Z _(+20°C)	8	
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
	Multiplier	0.80	1.00	1.2
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	Chao Yu	
Version No.	1.0						

