

■ Description 产品描述:

Al-Ecap, 47uF, 50v, ±20%, D6.3H7.7mm, 2000Hrs@105°C, -55~+105°C, SMD.

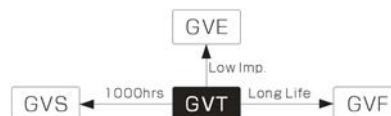
■ Dimension & Marking 印刷及尺寸:



■ 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 φ6.3x7.7	6.6	6.6	7.3	6.3	2.0	7.7	±0.3	0.5~0.8	0.5max.

Items 项目	Performance 性能			
Rated Voltage 额定电压(V <sub>R</sub> )	50 V			
Capacitance 额定容量(C <sub>R</sub> )	47 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 <sub>S</sub> )	57.5 V <sub>DC</sub>			
Leakage Current 泄漏电流(I <sub>LC</sub> )	I <sub>LC</sub> ≤ 23.5 uA After 2 minutes			
Dissipation Factor (Tanδ) 损失角正切值	≤ 0.14 (120Hz, 20°C)			
Ripple Current 纹波电流(I <sub>RC, rms</sub> )	63 mA (120Hz, 105°C)			
Low Temperature Characteristics 温度特性(120Hz)	Impedance ratio 阻抗比(Max.)	Z <sub>(-25°C)</sub> /Z <sub>(+20°C)</sub>	2	
		Z <sub>(-55°C)</sub> /Z <sub>(+20°C)</sub>	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 <sub>R</sub>	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	0.70	1.00	1.35
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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