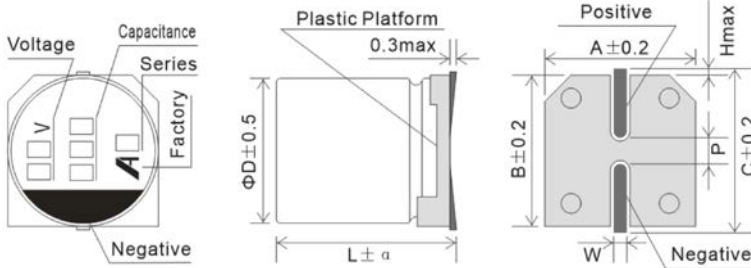


P/N: GVT1C687M1010CNVC	PRODUCT DATA SHEET GVT, 16v, 680uF, 10x10.5	Page: 1/2
---------------------------	---	-----------

■ Description 产品描述:

Al-Ecap, 680uF, 16v, $\pm 20\%$, D10H10.5mm, 2000Hrs@105°C, -55~+105°C, SMD.

■ Dimension & Marking 印刷及尺寸:

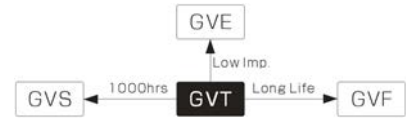


■ Features 特长/用途:

- 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 $\phi 10 \times 10.5$	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)	16 V			
Capacitance 额定容量(C_R)	680 uF (120Hz, 20°C)			
Category Temperance 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})	$I_{LC} \leq 108.8 \mu A$ After 2 minutes			
Dissipation Factor (Tan δ) 损失角正切值	≤ 0.20 (120Hz, 20°C)			
Ripple Current 纹波电流($I_{RC, rms}$)	315 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
	Multiplier	0.80	1.00	1.20
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	Chao Yu
Version No.	1.0				

[illegible]