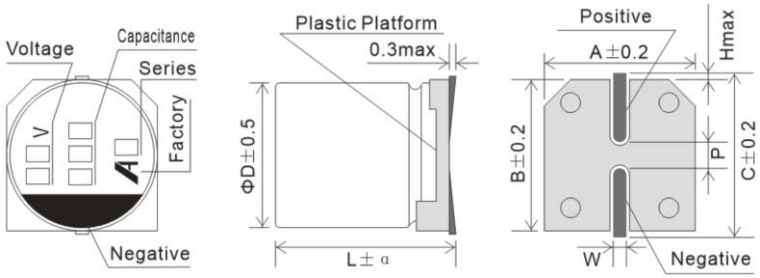
P/N: GVH1A227M0608CN	**PRODUCT DATA SHEET** GVH, 10v, 220uF, 6.3x7.7	Page: 1/2

■ Description 产品描述：

Al-Ecap, 220uF, 10v, ±20%, low ESR, D6.3H7.7mm, 1000Hrs@125℃, -55~+125℃, SMD.

■ Dimension& Marking 印刷及尺寸：

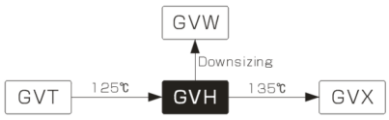


Items / Case	A	B	C	D	P	L	α	W	H
Φ6.3x7.7	6.6	6.6	7.3	6.3	2.0	7.7	±0.3	0.5~0.8	0.5max.

■ Features 特长/用途：

- 125℃,耐高温
- low impedance capacitors 低阻抗
- Designed for surface mounting on high density PC board 适合高密度表面安装

■ Serie Expansion 系列拓展

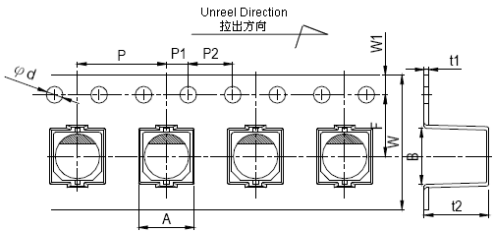


Items 项目	Performance 性能
Rated Voltage 额定电压(V_R)	10 V
Capacitance 额定容量(C_R)	220 uF (120Hz, 20℃)
Category Temperance Range 类别温度范围	-55℃ ~ +125℃
Capacitance Tolerance 容量误差	-20% ~ +20% (120Hz, 20℃)
Surge Voltage 浪涌电压(V_S)	11.5 V_{DC}
Leakage Current 泄漏电流(I_{LC})	I_{LC}≤ 22 uA After 2 minutes
Dissipation Factor (Tanδ) 损失角正切值	≤ 0.24 (120Hz, 20℃)
Impedance 阻抗 (Z, Ω)	≤ 0.9 (100kHz, 20℃)
Ripple Current 纹波电流(I_{RC}, rms)	110 mA (100kHz, 125℃)
Low Temperature Characteristics 温度特性(120Hz)	Impedance ratio 阻抗比(Max.): $Z_{(-25℃)}/Z_{(+20℃)}$ = 3; $Z_{(-55℃)}/Z_{(+20℃)}$ = 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: 1,000 Hrs at 125℃; V_R / 1,000 Hrs at 125℃ Cap. Change 容量变化率: Within ±30% of initial Value ≤初始值的±30% / Within ±30% of initial Value ≤初始值的±30% Tanδ 损失角正切值: Less than 300% of specified Value ≤初始规格值的±300% / Less than 300% of specified Value ≤初始规格值的±300% 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): 120, 1k, 10k, 100k Multiplier: 0.93, 0.97, 1.00, 1.00
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"

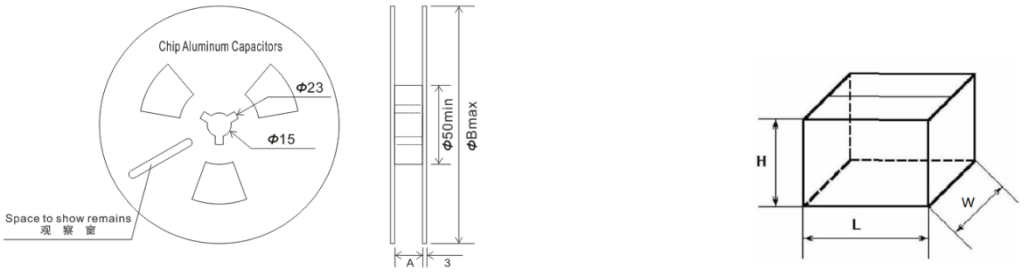
Publication Date 发行日期	2022-02-15		Approved 批 准	Checked 复 核	Designed 设 计
Revision Date 修订日期				Lei Yang	Chao Yu
Version No.	1.0				

■Taping Specifications 编带规格：



Case 尺寸	W (mm)	W1 (mm)	F (mm)	P (mm)	P1 (mm)	P2 (mm)	A (mm)	B (mm)	t1 (mm)	t2 (mm)
Tolerance 误 差	±0.3	±0.15	±0.1	±0.1	±0.1	±0.1	±0.2	±0.2	±0.1	±0.2
Φ6.3x7.7	16	1.75	7.5	12	2	4	7	7	0.4	8.3

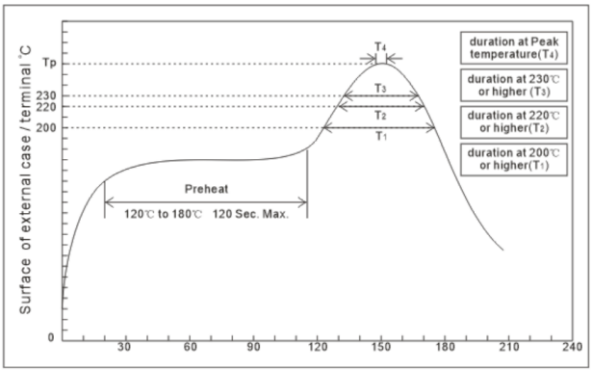
■ Park 包装：



Case 产品尺寸	Reel 卷装数量	Box 盒装数量	A±0.3(mm)	B±2(mm)	Box size 外箱尺寸(L*W*H)
Φ6.3x7.7	1000	10000	18	382	395x235x395

■ Soldering Conditions 焊接条件：

1. he following conditions are recommended for air convection and infrared reflow soldering on the SMD products onto a glass epoxy circuit boards by cream solder. The temperatures shown are the surface temperature values on the top of the can and on the capacitor terminals. 当使用回流焊，在玻璃环氧树脂基板上进行焊接的时候，产品顶部及端子部分温度，时间的推荐范围如下表所示。
2. Reflow should be performed twice or less 推荐回流次数不超过 2 次。
3. Please ensure that the capacitor became cold enough to the room temperature (5 to 35℃) before the second reflow. 请在第 1 次回流之后，必须确保电容器的温度已经完全冷却到室温(5~35℃)后方可进行第 2 次回流。



Note 备注:

1. Average ramp-up rate is 5℃/second max
   温度上升平均每秒钟最多 5℃;
2. Ramp-down rate is 6℃/second max
   温度下降平均每秒钟最多 6℃;
3. Time from 25℃ to peak temperature is 6 minutes max.
   从 25℃上升到峰值温度的时间最多 6 分钟;

Catgeory 类别	Time maintained above 200℃(T1) 200℃以上时间	Time maintained above 217℃(T2) 217℃以上时间 (T2)	Time maintained above 230℃(T3) 230℃以上时间(T3)	Range of Peak 峰值范围		Relow number 回流焊次数
				Temp 温度	Times 时间	
Φ6.3	105sec.	90 sec.	60 sec.	260℃ Max.	5sec Max.	2 times or less

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Aluminium Electrolytic Capacitors - SMD ***category:***

Click to view products by ACMECON ***manufacturer:***

Other Similar products are found below :

ULV2H4R7MNL1GS ULV2H1R8MNL1GS EMZA500ARA221MJA0G MAL214099813E3 CA025M4R70REB-0405 UCX1V471MNQ1MS 10SVP120M DV100M050C055ETR RVJ-50V101MH10U-R AEH1012471M016R MAL213967339E3 GVT1C337M0608CNVC EMK1EM331FB0D00R EMF1CM221FB0D00R EMF1CM331FB0D00R EMF1CM471FB0D00R EMK1AM102GB0D00R EMK1HM221GB0D00R DV221M6R3E055ETR DV221M025E077ETR RV331M025F105ETR RVT1A101M0505 GVZ1H101M0607 CK1E100M0405 GVM1E331M0607 VT10UF100V167RV0127 VT100UF16V167RV0124 CS100UF35V167RV0155 CK220UF16V167RV0142 VT10UF16V167RV0128 VT22UF35V167RV0131 CS470UF10V167RV0150 CK100UF16V167RV0138 CK220UF10V167RV0141 RVT330UF25V167RV0055 VT470UF16V167RV0135 CS100UF10V167RV0144 126RV0017 VT47UF35V167RV0137 CS220UF35V167RV0148 126RV0010 126RV0009 VT220UF25V167RV160 VT220UF16V167RV0088 126RV0012 126RV0011 126RV0013 126RV0018 126RV0008 126RV0015