

■ 厚膜功能电路产品

HIC for Functional Circuit Product

◆ 特点 Features

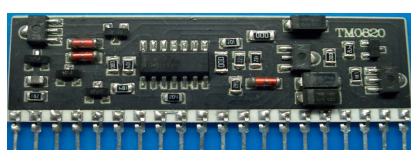
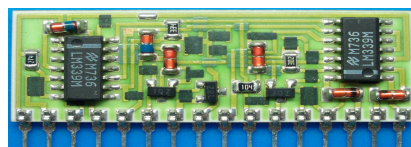
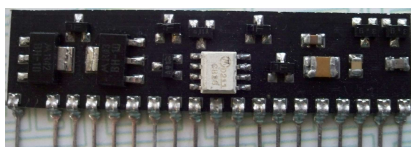
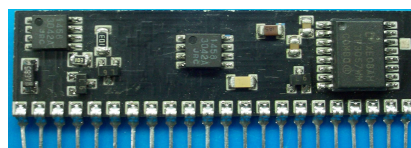
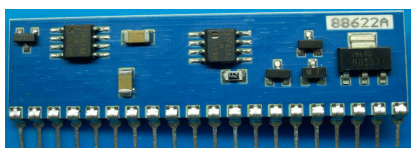
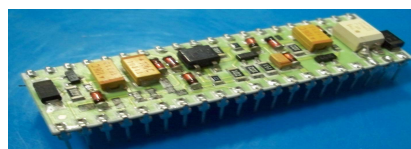
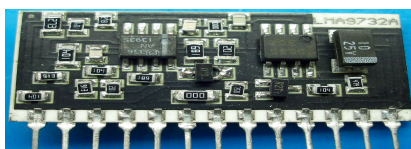
厚膜功能电路产品是我司根据客户的特殊要求专门为客户量身订做的，采用厚膜工艺加工而成，具有集成度高、电路设计灵活、保密性好等优点；在电性能上，它能耐受较高的电压、更大的功率和较大的电流。特别适合消费类和工业类电子产品用的模拟电路场合。

Thick-film circuit function is based on our customer's special requirements tailored specifically for customers, and by using thick-film processing technology, high integration, circuit design flexibility, and good confidentiality; in electrical performance It can tolerate a higher voltage, more power and a larger current. Particularly suitable for consumer and industrial electronic products used in analog circuits occasions.

◆ 额定值 Ratings

- * 工作温度范围 Operating temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$.
- * 基片材料 Substrate materials: $96\%\text{AL}_2\text{O}_3$.
- * 导体材料 Conductor material: Ag/Pd.
- * 导体附着力 Strong adhesion.
- * 电阻温度系数 Temperature coefficient (TCR): $\pm 250\text{ppm}/^{\circ}\text{C}$.

◆ 相关产品 Other Applications



◆ 特性 Characteristics

試驗項目 Test Item	規定值 Standard	測試方法 Test Method
电阻温度系数 T.C.R	在规定值内 within specified T.C.R	IEC 60115-1 4.8 +25℃/-55℃/+25℃/+125℃/+25℃
短时间过负载 Short Time Overload	$ \Delta R \leq (2\%R + 0.05\Omega)$	IEC 60115-1 4.13 施加2.5倍额定电压或最大过负荷电压(取较小值), 持续5秒。 Apply 2.5 × Rated voltage or Max. overload voltage whichever is Lower for 5 s
温度快速变化 Rapid Change of Temperature	$ \Delta R \leq (1\%R + 0.05\Omega)$	IEC 60115-1 4.19 -55℃(30分钟)~常温(5分钟)~125℃(30分钟)5个循环。 -55℃(30min)~ normal temperature(5min)~ 125℃(30min) 5 cycles
70℃耐久性 Endurance at 70℃	$ \Delta R \leq (3\%R + 0.05\Omega)$	IEC 60115-1 4.25.1 70℃ ± 2℃, 1000小时, 额定电压通1.5小时/断0.5小时 70℃ ± 2℃, 1000h, Rated voltage 1.5h ON/0.5h OFF
稳态湿热 Damp Heat Steady State	$ \Delta R \leq (3\%R + 0.05\Omega)$	IEC 60115-1 4.24 40℃ ± 2℃, 93% ± 3%RH, 1000h
上限类别温度耐久性 Endurance at Upper Category Temperature	$ \Delta R \leq (3\%R + 0.05\Omega)$	IEC 60115-1 4.25.3 125℃ ± 2℃ 1000h
耐溶剂 Component Solvent Resistance	试验后产品外观无异常, 标志应清晰可见 No abnormal appearance of the product after the test, signs should be clearly visible	使用溶剂: 异丙醇; 溶剂温度: (23 ± 2)℃; 浸泡时间: (10 ± 1) h Solvent: isopropyl alcohol; solvent temperature: (23 ± 2) °C; soaking time: (10 ± 1) h

◆ 可根据客户实际要求进行订制。

We can especially product for the client, if the client has special requirements to the products.

■ 修订履历 Revision History

版本Version	日期Date	修订内容 Change Description	修改确认 Checked by
V1.0	2020-06-23	- 原版 The original version.	吴晓玲 Xiaoling Wu

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