

BRIEF INTRODUCTION---KB Copper Clad Laminates

KB 层压板简介

Applicable Documents

- IPC-4562 Metal Foil for Printed Wiring Boards
IPC-4562 印制线路板的金属箔应用规范
- JIS C 6481 Test method manual
JIS C 6481 试验方法手册
- JIS C 6485 Evaluation Reference
JIS C 6485 评定标准
- IPC-4101D Specification for base materials for rigid and multi-layer printed boards
IPC-4101D 刚性及多层印制板基材技术资料规范
- IPC-TM-650 Test method manual
IPC-TM-650 测试方法手册
- IPC-4412 Specification for finished fabric woven “E” glass for printed boards
IPC-4412 印制板的电气级玻璃纤维布技术规范
- UL 94 Test for Flammability of plastic materials for parts in Devices and Appliances.
UL 94 零件设备和应用中塑料材料燃烧型的测试标准

Safety Certification 安全认证

Organization 认证机构	File Number 文件号	Certificate Country 认证国家
UL	E123995	USA (美国)
VDE	5722 / 40020660 / 40020729/40040433	Germany (德国)
JET	V-0205/V-0186/V-0160etc	Japan (日本)
CQC	CQC03001005726etc	China (中国)

Logo 标识

Type 类型	Logo 标识	Color 颜色	Direction 方向说明
HB Laminate 非阻燃层压板	KB	Green 绿色	KB logo direction is in line with grain direction of glass fiber and paper phenolic base board impregnation as well. KB 标识方向与玻璃布经相同与纸基板浸渍方向相同
V0 Laminate 阻燃层压板	KB	Red 红色	

- ★ If there were no particular requirement in purchase order, we would provide product with KB logo. Product without KB logo is produced upon customer's request. Generally, thin core for multilayer board pressing has no KB logo.
- ★ 如果在购货订单中没有特殊要求，我们将提供有 KB 字符标识的产品；无 KB 字符标识的产品会根据顾客需求生产；用于压制多层板的板材通常不作标识。

BRIEF INTRODUCTION---KB Copper Clad Laminates**KB 层压板简介****Environmental Product 环保产品**

Our products conform to the RoHS & REACH directive of EU, we will testify it via SGS once a year.

我们的产品符合欧盟发布的 RoHS 和 REACH 环保要求，并且每年送 SGS 检测机构检测。

Product size and thickness 产品尺寸和厚度

Item 项目	Specification 执行规范	Applicable Scope 适用范围
Visuals 外观	Class A (Per IPC 4101D para 3.8.3.1)	XPC FR-1
Thickness 厚度	Class B/L (Per IPC 4101D para 3.8.4.2.4)	FR-2 CEM-1
Squareness 方正度	<3mm (Per IPC 4101D para 3.8.4.1)	CEM-3 FR-4.0
Panel Size Tolerance 尺寸公差	Tolerance: +10mm/0mm (Per IPC 4101D para 3.8.4.1)	FR-4.1

Note: other size and specification could be available upon request. 可根据客户要求提供其它尺寸和厚度。

Handling 搬运

- Handle the CCL with clean gloves to avoid being discolored and oxidized.

搬运过程中应使用清洁的手套防止覆铜板受污染和氧化。

Storage 贮藏

- Avoid direct sunlight. Keep away from water or high temperature and humidity area.
避免阳光直射、雨水、高温以及潮湿。
- Shelf day storing the boards indoors at normal temperature $\leq 35^{\circ}\text{C}$ and humidity 70%RH is 12 months.
在温度 $\leq 35^{\circ}\text{C}$ ，相对湿度 70% 的条件下贮藏 12 个月。
- Avoid strong CCL in bent position or lean against a wall. Place them on a Level surface to prevent warping and twisting.

避免将板材处于严重弯曲状态或靠墙倚放，请水平放置以免板材翘曲弯形。