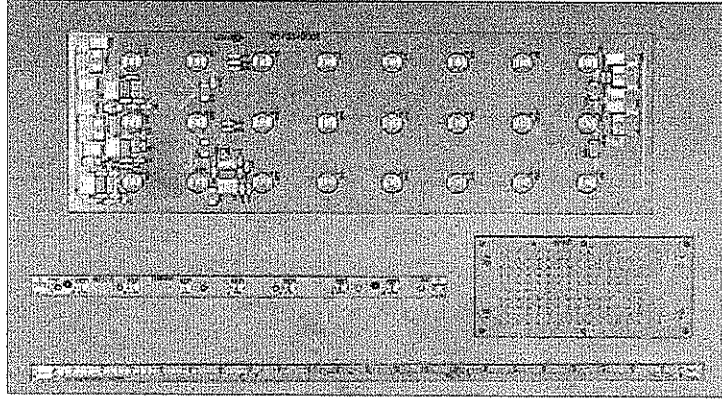
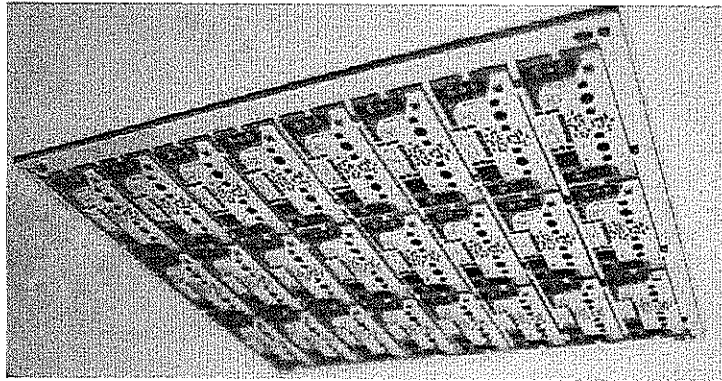


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Light bar/board for LED lighting



Automotive Electronics



- Automotive Electronics
- High Brightness LED
- Power Electronics

APPLICATIONS

- Excellent heat dissipation
- Excellent thermal and insulation reliability
- Excellent withstand voltage
- Superior processability
- High CTI

FEATURES

KW-ALE Aluminum Base Copper Clad Laminate

Kinwong Electronic Technology (Longchuan) Co., Ltd.

景旺电子科技(龙川)有限公司



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| | | |
|------------------|--|-----------------------------------|
| Standard Size | Max: 457×640 (mm) | |
| Masking Film | PET/PI Film | |
| Al | 1050, 5052, 6061 | 0.8, 1.0, 1.2, 1.5, 2.0, 3.0 (mm) |
| Dielectric Layer | Epoxy resin filled with inorganic filler | 80~200±30(µm) |
| Copper | E/D Cu | 1/2, 1, 2, 4 (oz) |
| Type | Thickness | |

PURCHASING INFORMATION

| Test Item | Test Condition | Unit | Property Data |
|------------------------|----------------|---------------------|------------------|
| Peel Strength | A | N/mm | 1.3 |
| Flammability | 94-V0 | \ | V-0 |
| Volume resistivity | E-24/125 | MΩ·cm | >10 ⁷ |
| Surface resistivity | E-24/125 | MΩ | >10 ⁷ |
| Dielectric constant | 1 GHz | \ | 4.5 |
| Dissipation Factor | 1 GHz | \ | 0.027 |
| Thermal Impedance | ASTM D5470 | m ² ·K/W | 0.00011 |
| Thermal Conductivity | ASTM D5470 | W/(m·K) | 2.0 |
| Solder Heat Resistance | 288°C | sec | >360 |
| Hi-pot Test | DC | KV | 2.0 |
| Breakdown Voltage | AC | KV | >5 |
| | DC | KV | >5 |
| Tg | DSC | °C | 120 |
| Td | 5% Loss | °C | 340 |
| Water Content | D-24/23 | % | 0.06 |
| CTI | IEC60112 | V | > 600 |

GENERAL PROPERTIES



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