

LED

High Power LED Ceramic Core PCB



Product

These ceramic circuit boards are sintered at 1450C. Circuits on the surface are printed using silver via a nickel and tin coating process. This gives superior thermal conductivity and electrical performance.

Features

- Hot and cold impact resistance
- Low CTE
- UV resistant
- Chemically and Environmentally resistant

Applications

Electronic components: IC/CPU/MOS
 LED / M/B / P/S / Heat sink / LCD-TV / Notebook PC / PC / Telecom device / Wireless Hub / etc...
 DDR II Module / DVD Applications / Hand-set Applications / etc...

Caution

After opening the package, the LED CPCB should be kept at 30% RH or less.

Properties

| Functional Characteristics | CP-20 | CP-57 |
|----------------------------------|-------------------------------|------------------------------|
| Insulation Resistance | >100G (1000VDC, 1 minute) | >10G (1000VDC, 1 minute) |
| Dielectric with standing voltage | Ok (1500VAC, 60 HZ, 1 minute) | Ok (1500VAC, 60HZ, 1 minute) |
| Thermal Conductivity | ≥ 8W/mk | ≥ 10W/mk |
| Solder Heat Resistance | 300 °C / 5 sec | 300 °C / 5 sec |
| Electrode Tensile Strength | > WB 20N (2Gf) | > WB 20N (2Gf) |
| Density | ≥ 3.2g/cm ³ | ≥ 2.5g/cm ³ |
| Porosity | ≥ 15% | ≥ 15% |
| RoHS Compliant | Yes | Yes |
| Rending Strength | > WB 100N (10KGf) | > WB 100N (10KGf) |
| Dimension | Ø20mm (2.0mm)x t2.0mm (max) | Ø53mm (2.0mm)x t2.0mm (max) |

