

## copper plate performance table

### Performance beacon

| Item                              | Test a condition       | AL-01-P Specification              | AL-01-A Specification              | AL-01-B Specification              | AL-01-L Specification              | Unit  |
|-----------------------------------|------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------|
| Thermal conductivity              | A                      | 0.6-0.8                            | 1.0-1.8                            | 2.0-2.8                            | 3.0                                | W/m.K |
| Thermal re - sistance             |                        | ≤ 0.78                             | ≤0.64                              | ≤0.45                              | ≤0.2                               | °C/W  |
| Solder resistance                 | 288deg.c               | 120                                | 120                                | 120                                | 120                                | Sec.  |
| Peel strength normal status       | A Thermal stress post  | 1.4<br>1.4                         | 1.5<br>1.5                         | 1.5<br>1.5                         | 1.3<br>1.3                         | N/mm  |
| Volume resistivity normal status  | C-96/35/90<br>E-24/125 | 10 <sup>8</sup><br>10 <sup>6</sup> | 10 <sup>8</sup><br>10 <sup>6</sup> | 10 <sup>8</sup><br>10 <sup>6</sup> | 10 <sup>8</sup><br>10 <sup>6</sup> | MΩ.CM |
| Surface resistivity normal status | C-96/35/90<br>E-24/125 | 10 <sup>7</sup><br>10 <sup>6</sup> | 10 <sup>7</sup><br>10 <sup>6</sup> | 10 <sup>7</sup><br>10 <sup>6</sup> | 10 <sup>7</sup><br>10 <sup>6</sup> | MΩ    |
| Dielectric constant               | C-96/35/90             | 4.2                                | 4.9                                | 4.9                                | 4.9                                | 1MH2  |
| Dissipation Factor                | C-96/35/90             | ≤0.02                              | ≤0.02                              | ≤0.02                              | ≤0.02                              | 1MH2  |
| Water absorption                  |                        | 0.1                                | 0.1                                | 0.1                                | 0.1                                | %     |
| BreakdownVoltage                  | D-48/50+D-0.5/23       | 3                                  | 3                                  | 3                                  | 3                                  | KV    |
| Insulationstrength                | A                      | 30                                 | 30                                 | 50                                 | 30                                 | KV/mm |
| Raise camber                      | A                      | 0.5                                | 0.5                                | 0.5                                | 0.5                                | %     |
| Flameability                      | UL94                   | V-0                                | V-0                                | V-0                                | V-0                                |       |
| CTI                               | IEC60112               | 600                                | 480                                | 480                                | 480                                | V     |
| TG                                |                        | 158                                | 130                                | 130                                | 130                                | °C    |

|                          |  |
|--------------------------|--|
| Product thickness mm     | The actinium screen is thick: 1 oz ~ 15 oz, The aluminium board is thick: 0.6 ~ 5.0 mm (Tolerance range ±0.10mm) |
| Product specification mm | 500×600      500×1200  |

- The power is hybrid IC(HIC)
- Voice frequency equipment:input, output amplifier, compensating capacitor, the voice frequency amplifier, preamplifier, power amplifier etc..
- Power supply equipment:series voltage regulation, switch modulator, and DC-AC transducer...etc..
- Telecommunication electron equipment:high frequency amplifier, filter telephone, send a telegram telephone.
- Office automation:the printer driver, big electronic display substrate and thermal print A class.
- Autocar:the igniter, power supply modulator and swap transform machine, power supply controller, become only system etc..
- Calculator:CPU board, soft pan driver, and power supply device...etc..
- Power mold mass:change to flow a machine, solid relay, commutate bridge etc..
- LED light, heat and water expense:big power LED light, LED wall etc..

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