



S2600F

(UL ANSI: CEM-3.0) High CTI, Anti-CAF, Excellent Thermal Reliability

FEATURES

- High CTI
- Low water absorption
- Excellent thermal reliability
- Excellent anti-CAF performance

APPLICATIONS

OA equipment
 Game machine
 Household appliance
 Apparatus and instrument

GENERAL PROPERTIES

| Test Items | Test Method | Test Condition | Unit | Typical Value |
|---------------------------|---------------------|-------------------|-----------------|---------------------|
| Tg | IPC-TM-650 2.4.25D | DSC | °C | 133 |
| Td | IPC-TM-650 2.4.24.6 | TGA (5% W.L) | °C | 332 |
| T288 | IPC-TM-650 2.4.24.1 | TMA | min | 7 |
| T260 | IPC-TM-650 2.4.24.1 | TMA | min | 45 |
| Thermal Stress | IPC-TM-650 2.4.13.1 | 288°C, solder dip | s | >60 |
| CTE(Z-axis) | IPC-TM-650 2.4.24 | Before Tg | ppm/°C | 60 |
| | IPC-TM-650 2.4.24 | After Tg | ppm/°C | 280 |
| | IPC-TM-650 2.4.24 | 50-260°C | % | 4.3 |
| Permittivity (1MHz) | IPC-TM-650 2.5.5.9 | C-24/23/50 | - | 4.8 |
| Loss Tangent (1MHz) | IPC-TM-650 2.5.5.9 | C-24/23/50 | - | 0.016 |
| Volume Resistivity | IPC-TM-650 2.5.17.1 | C-96/35/90 | MΩ-cm | 4.2×10 ⁸ |
| Surface Resistivity | IPC-TM-650 2.5.17.1 | C-96/35/90 | MΩ | 1.1×10 ⁷ |
| Arc Resistance | IPC-TM-650 2.5.1 | D-48/50+D-0.5/23 | s | 180 |
| Dielectric Breakdown | IPC-TM-650 2.5.6 | D-48/50+D-0.5/23 | kV | >45 |
| Peel Strength (1oz) | IPC-TM-650 2.4.8 | 288°C/10s | N/mm [lb/in] | 1.6 [9.14] |
| Flexural Strength (LW/CW) | IPC-TM-650 2.4.4 | A | Mpa | 410/340 |
| Water Absorption | IPC-TM-650 2.6.2.1 | D-24/23 | % | 0.07 |
| Flammability | UL94 | C-48/23/50 | Rating | V-0 |
| CTI | IEC60112 | A | Rating | PLC 0 ≥600V) |

Remarks: 1. Specification sheet: IPC-4101/16, is for your reference only.
 2. All the typical value is based on the 1.6mm specimen.
 3. All the typical value listed above is for your reference only, please turn to Shengyi Technology Co., Ltd for detailed information, and all rights from this data sheet are reserved by Shengyi Technology Co., Ltd.

PURCHASING

| Thickness | Copper foil | Standard size |
|-----------------|----------------|--|
| 0.63mm to 3.2mm | 18um to 105 um | 1,020mm ×1,220mm(40"×48") 915mm ×1,220mm(36"×48") 1,070mm ×1,220mm(42"×48") |

Remarks: Other sheet size and thickness could be available upon request.