

## 1. Product information

Supplier : JIANGSU CHANGJING ELECTRONICS TECHNOLOGY CO.,LTD.

|                           |                 |
|---------------------------|-----------------|
| <b>Part Number :</b>      | CJTLR60SN04AL   |
| <b>Package Type :</b>     | TOLL-8L         |
| <b>Part Description :</b> | 40V SMDs/MOSFET |
| <b>Report Date:</b>       | August-25       |

## 2. Reliability Test Results : PASS

| Test Item   | Test condition   | Duration                     | Fail Quantity / S.S |
|---|--|------------------------------|---------------------|
| Pre-and post-stress Electrical test                     | Ta=25°C  | NA                           | All parts           |
| <b>PC</b><br>Precondition(For SMD Package Only)         | JESD22-A113F/J-STD-020<br>1.Bake:125°C.<br>2.Soak:<br>85°C85%RH,168hrs MSL1<br>or<br>30°C60%RH,192hrs MSL3<br>3.Reflow 3Cycles Max 260°C<br>4.all samples E-Test | >168Hours<br>or<br>>192Hours | 0 / 308*3           |
| <b>TCT</b><br>Temperature Cycling Test                  | JESD22 -A104<br>-55°C/15min 150°C/15min  | 1000cycles                   | 0 / 77*3            |
| <b>AC</b><br>Autoclave                                  | JESD22-A102<br>121°C, 100%RH   | 96Hours                      | 0 / 77*3            |
| <b>UHASt</b><br>Unbiased Highly Accelerated Stress Test | JESD22-A118<br>130°C, 85%RH  | NA                           | NA                  |
| <b>THT</b><br>High Humidity &Temp Test                  | JESD22-A101<br>85°C 85%RH  | 1000Hours                    | 0 / 77*3            |
| <b>HTST</b><br>High Temperature Storage Test            | JESD22 -A103<br>T=Tstg max   | 1000Hours                    | 0 / 77*3            |
| <b>H3TRB</b><br>High Humidity &Temp . Bias Test         | JESD22-A101<br>85°C 85%RH VDS*80% VR<=100V Max   | NA                           | NA                  |
| <b>HAST</b><br>Highly Accelerated Stress Test           | JESD22-A110<br>130°C 85%RH VDS*80% VR≤42V Max  | 96Hours                      | 0 / 77*3            |
| <b>HTRB</b><br>High Temperature Revers Bias Test        | JESD22 -A108<br>Tj(max) @VDS *80%  | 1000Hours                    | 0 / 77*3            |
| <b>HTGB</b><br>High Temperature Gate Bias Test          | JESD22 -A108<br>Tj(max) VR=BVGS*100%   | 1000Hours                    | 0 / 77*3            |
| <b>IOL</b><br>Intermittent Operational Life             | MIL-STD-750D Method 1037<br>△Tj≥100°C On/Off:2min  | 15000Cycle                   | 0 / 77*3            |
| <b>RSH</b><br>Resistance to Solder Heat test            | JESD22-A111B<br>260°C±5°C, 10(+2,-0)Seconds  | NA                           | 0 / 30*3            |
| <b>SD</b><br>Solderability                              | J-STD-002<br>Steam aging:93°C 8hour 2.245°C 3~5s   | NA                           | 0 / 10*3            |

### Notes:

1. Either H3TRB or HAST for reliability test.
2. Either AC or UHASt for reliability test.
3. Detailed MSL of the product refers to the MSL Report.

Remark: JSCJ Laboratory reserves the right of final interpretation of this report