

Product Name: TB67S158NG

Package Name: SDIP24

### 1. Thermal tests

| Test Item                                 | Test Condition   | Failure Size / Sample Size |
|---|--|----------------------------|
| Resistance to Soldering Heat for Packages | Solder temperature : 260 deg.C Max, Immersion time : 10s<br>1 time       | 0 / 32                     |
| Temperature Cycling                       | -65deg.C (20min) to 25deg.C to 150deg.C (20min) to 25deg.C<br>300 cycles | 0 / 32                     |
| -   | -  | -                          |
| -   | -  | -                          |

### 2. Mechanical tests

| Test Item                | Test Condition  | Failure Size / Sample Size |
|--------------------------|---|----------------------------|
| Solderability            | Solder temperature : 245deg.C for Solder type Sn-3Ag-0.5Cu<br>Solder immersion time : 5s , Flux type : non-active flux , 1 time | 0 / 22                     |
| Lead Integrity (Tension) | Tension : according to relevant specification<br>Maintain the specified tension for 30s   | 0 / 22                     |
| Lead Integrity (Bend)    | Force : according to relevant specification<br>Bend from -15deg. to 15deg. to 0deg.<br>1 time                                   | 0 / 22                     |
| -                        | -   | -                          |
| -                        | -   | -                          |

### 3. Life tests

| Test Item                           | Test Condition   | Failure Size / Sample Size |
|-------------------------------------|--|----------------------------|
| High Temperature Operating Life     | Max operating temperature, Max operating voltage , 1000h | 0 / 32                     |
| High Temperature Storage Life       | Max storage temperature , 1000h                          | 0 / 32                     |
| High Temperature High Humidity Bias | Ta=85deg.C, RH=85%, Max operating voltage , 1000h        | 0 / 32                     |
| Autoclave                           | Ta=121deg.C, RH=100%, 203kPa , 96h                       | 0 / 32                     |
| -                                   | -  | -                          |
| -                                   | -  | -                          |

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