

ST06-18CE

TVS

26A, 600W

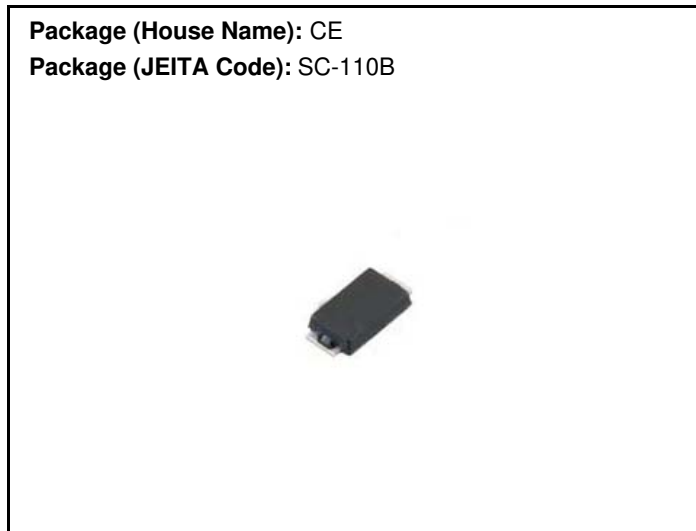
Feature

- Peak pulse power:600W
- Small SMD
- Based on AEC-Q101
- Pb free terminal
- RoHS:Yes

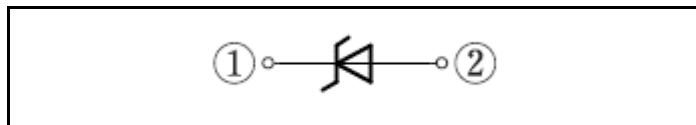
OUTLINE

Package (House Name): CE

Package (JEITA Code): SC-110B



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Tl=25°C)

| Item | Symbol | Conditions | Ratings | Unit |
|-------------------------------------|--------------------|---|------------|------|
| Storage temperature | T _{stg} | | -55 to 175 | °C |
| Operating junction temperature | T _j | | -55 to 175 | °C |
| Maximum surge reverse current | I _{RSM} | 10/1000μs, Non-repetitive, Exponential wave ※ | 26 | A |
| Maximum surge reverse power | P _{RSM} | 10/1000μs, Non-repetitive | 600 | W |
| Continuous (direct) reverse voltage | V _{R(DC)} | | 13 | V |

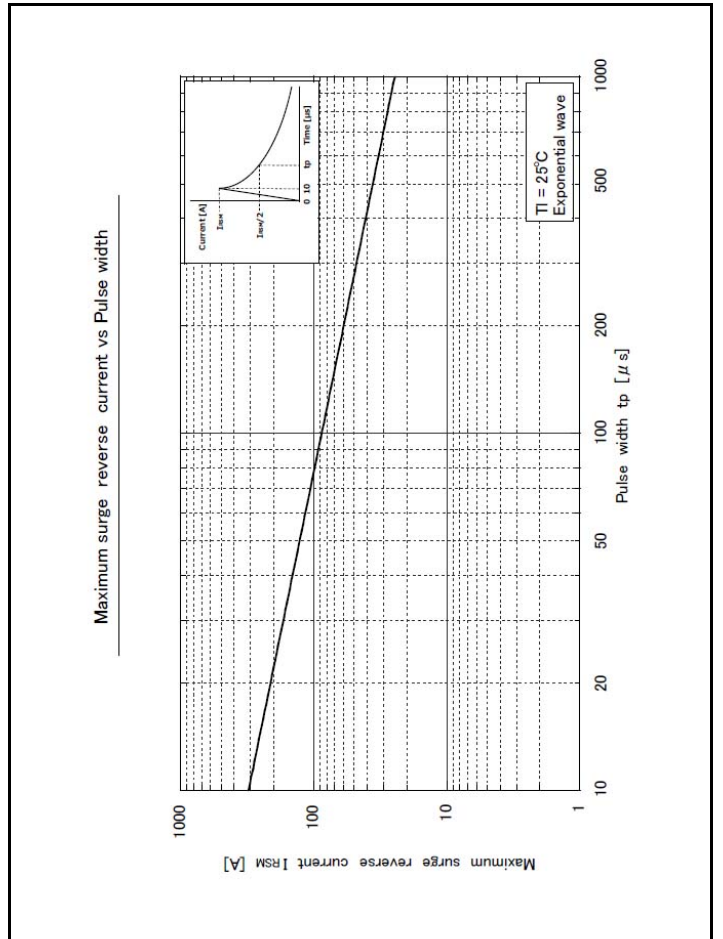
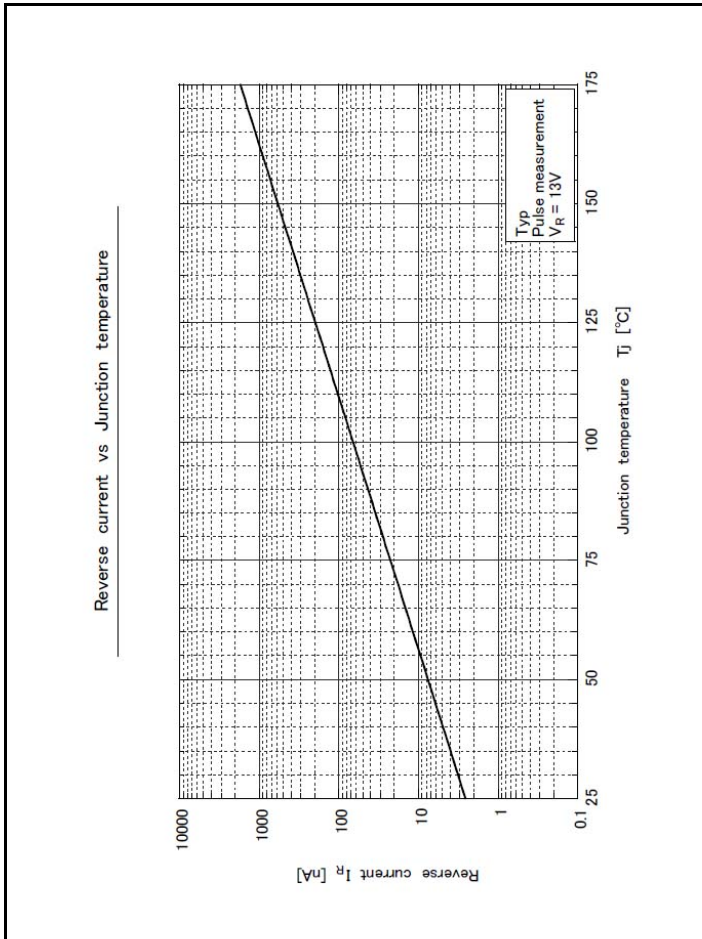
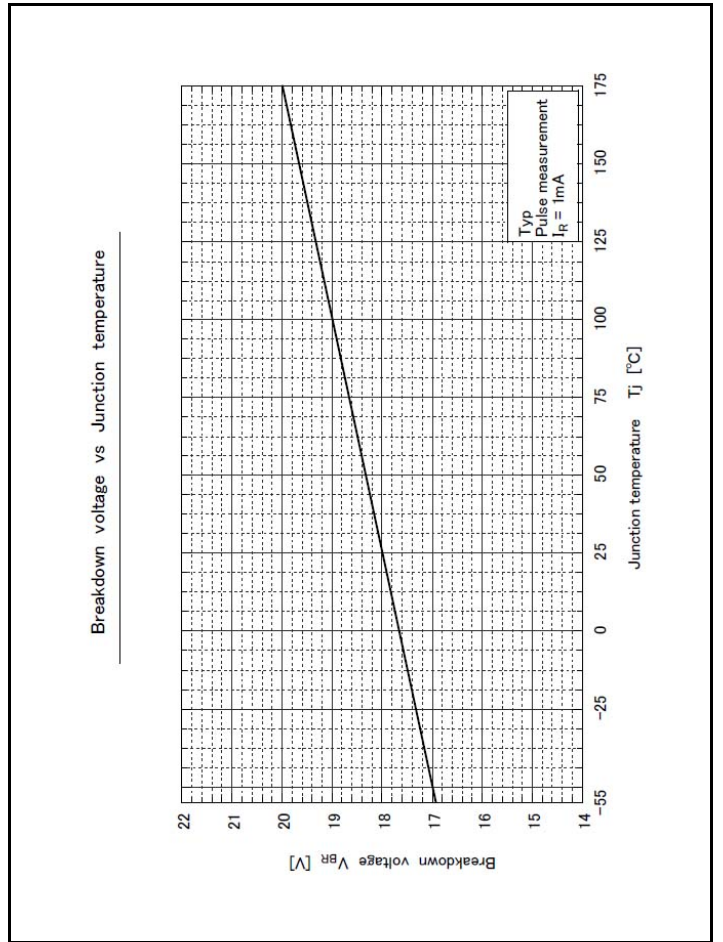
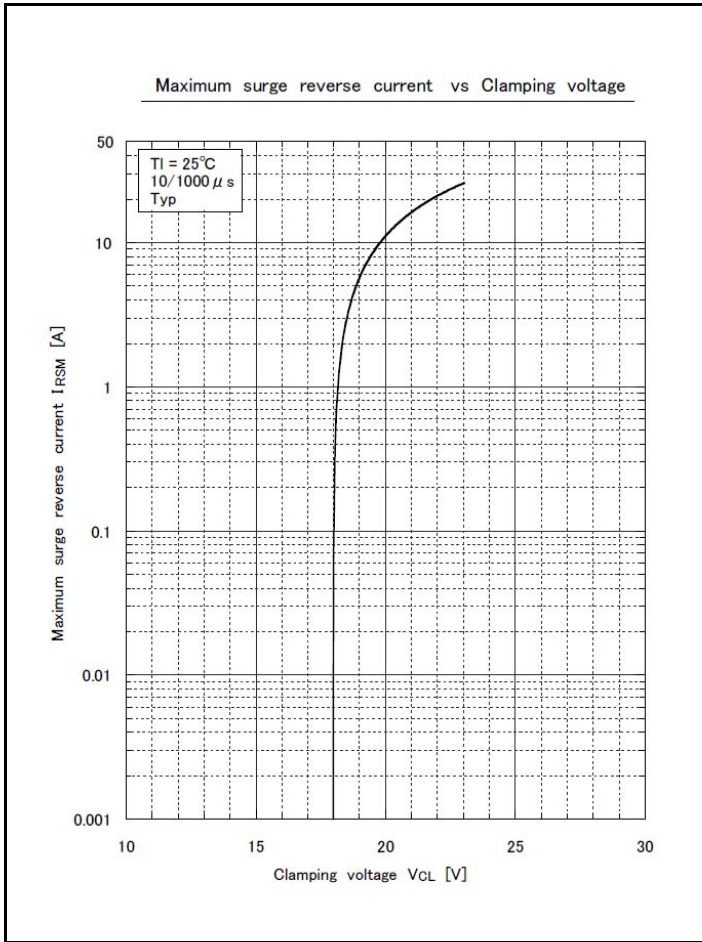
※ : See the original Specifications

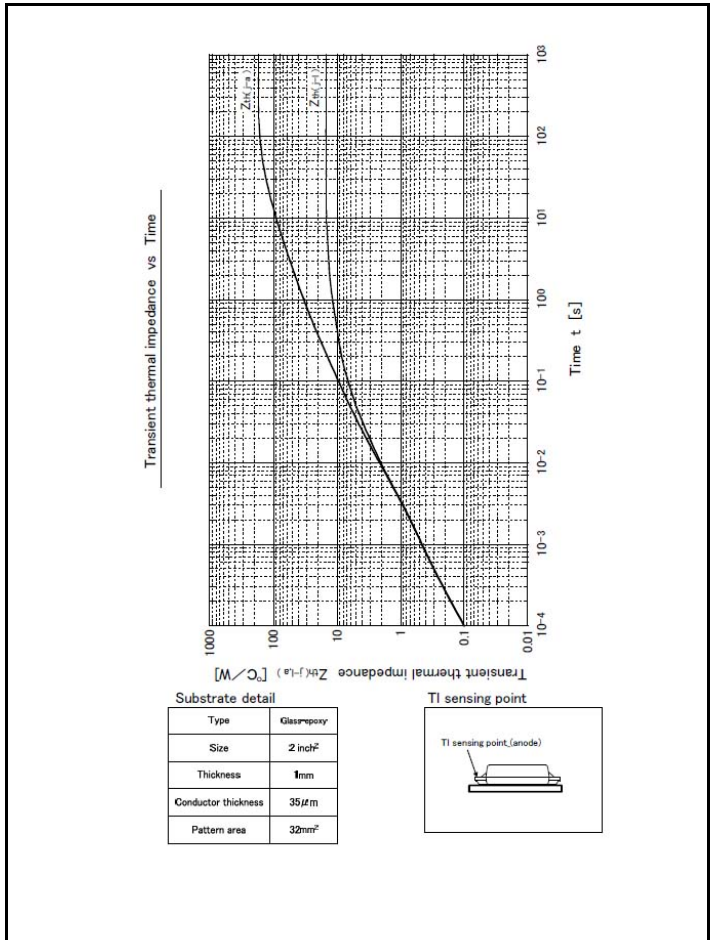
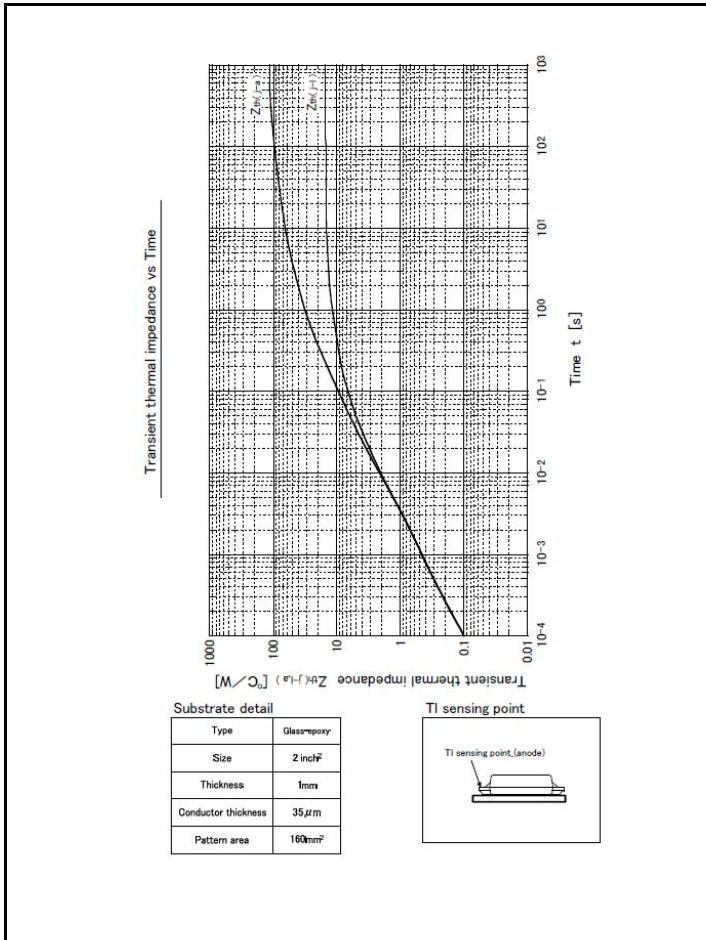
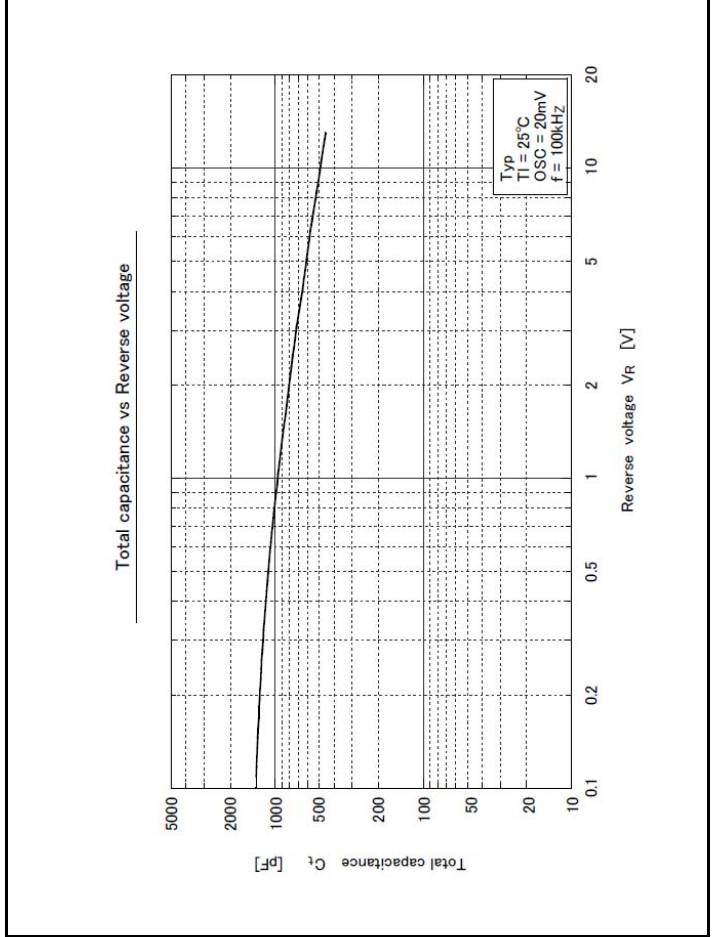
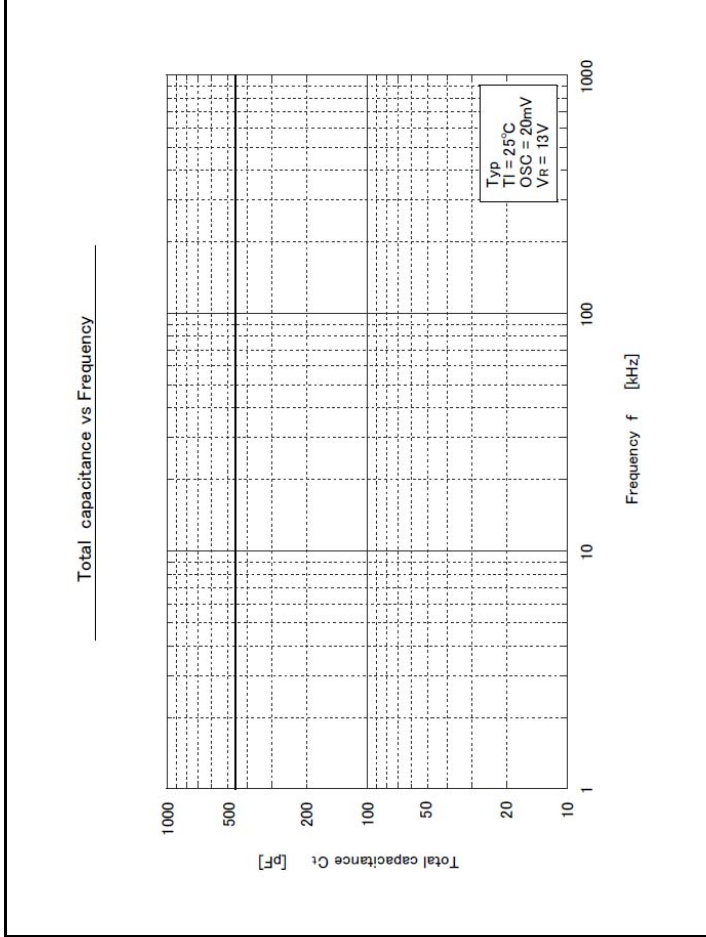
Electrical Characteristics (unless otherwise specified : Tl=25°C)

| Item | Symbol | Conditions | Ratings | | | Unit |
|------------------------------------|---------------|---|---------|-----|------|---------------|
| | | | MIN | TYP | MAX | |
| Breakdown voltage | V_{BR} | $I_R=1mA$, Pulse measurement | 16.8 | | 19.1 | V |
| Reverse current | I_R | $V_R=13V$, Pulse measurement | | | 5 | μA |
| Electrostatic discharge capability | V_{ESD} | $C=330pF$, $R=330\Omega$, Polarity \pm , Aerial discharge ※ | | 30 | | kV |
| Thermal resistance | $R_{th(j-l)}$ | Junction to lead, On glass-epoxy substrate | | | 15 | $^{\circ}C/W$ |
| Thermal resistance | $R_{th(j-a)}$ | Junction to ambient, On glass-epoxy substrate ※ | | | 115 | $^{\circ}C/W$ |
| Thermal resistance | $R_{th(j-a)}$ | Junction to ambient, On glass-epoxy substrate ※ | | | 172 | $^{\circ}C/W$ |

※ :See the original Specifications

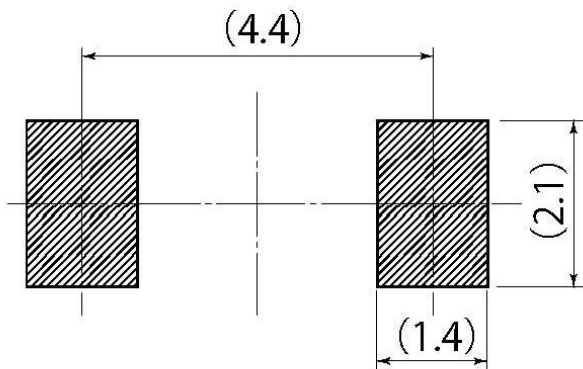
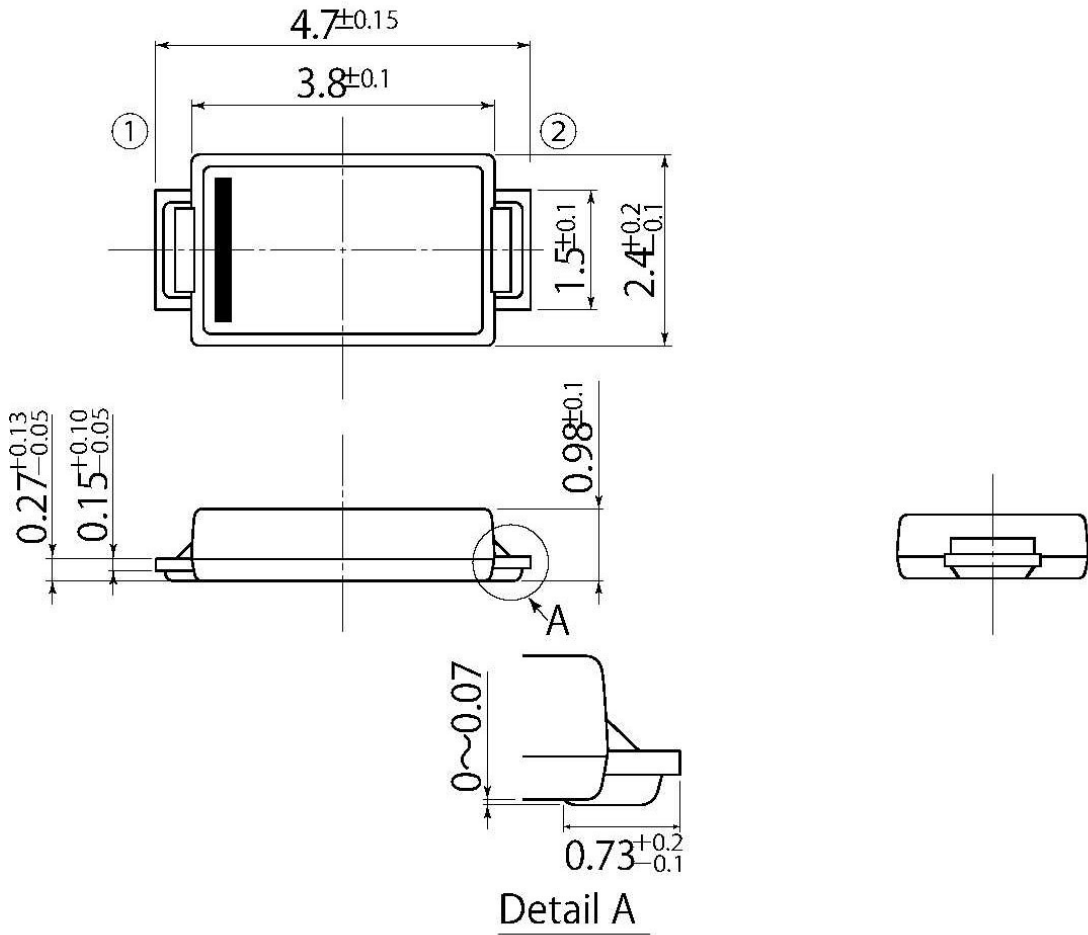
CHARACTERISTIC DIAGRAMS





B5

| | |
|------------|---------|
| JEDEC Code | — |
| JEITA Code | SC-110B |
| House Name | CE |



Referential Soldering Pad

• Optimize soldering pad to the board design and soldering condition.

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