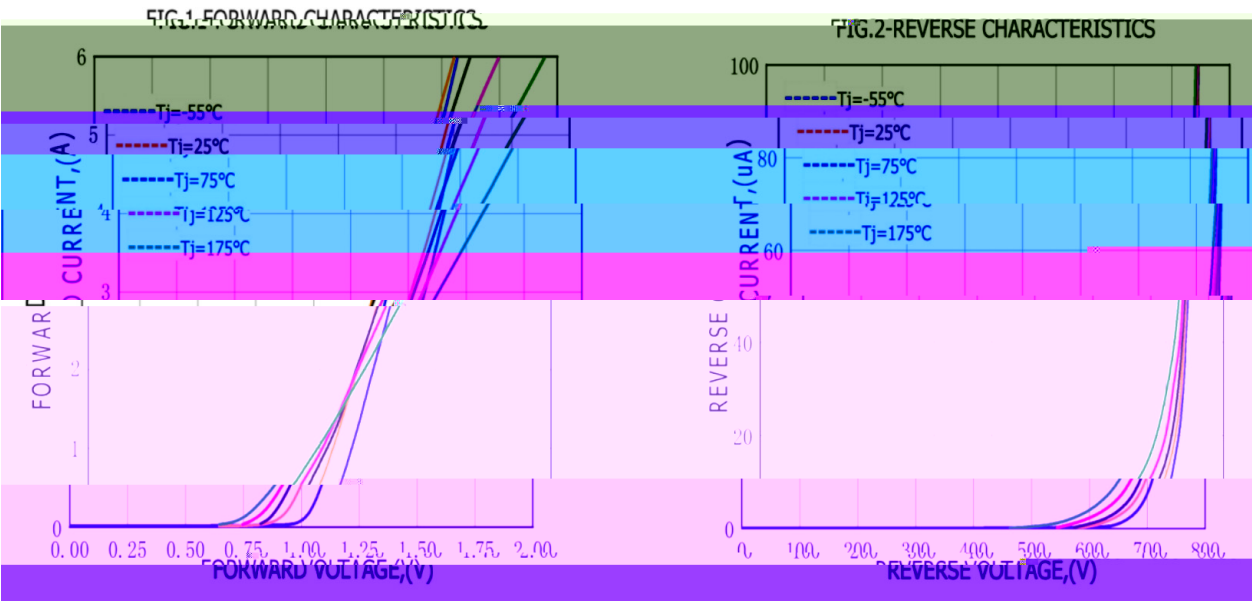


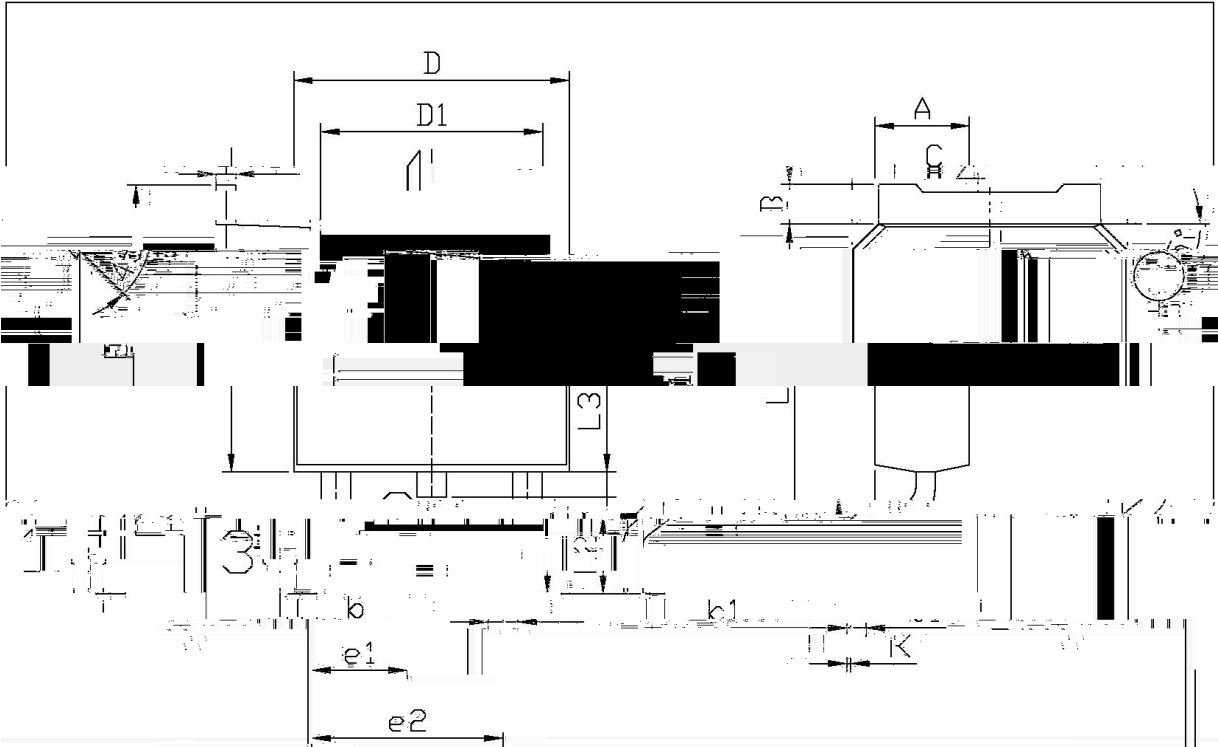


| Parameter                                         | Symbol    | Rating | Unit |
|---------------------------------------------------|-----------|--------|------|
| Peak Repetitive Reverse Voltage                   | $V_{RRM}$ | 650    | V    |
| Maximum RMS Voltage                               | $V_{RMS}$ | 455    | V    |
| Maximum DC blocking Voltage                       | $V_{DC}$  | 650    | V    |
| Continuous Forward Current, $T_c=155$             | $I_F$     | 4      | A    |
| Peak forward surge current, $t_p=10ms$            | $I_{FSM}$ | 42     | A    |
| Repetitive Peak Forward Surge Current, $t_p=10ms$ | $I_{FRM}$ | 37     | A    |

/ Electrical Characteristic Curve



/ Package Dimensions



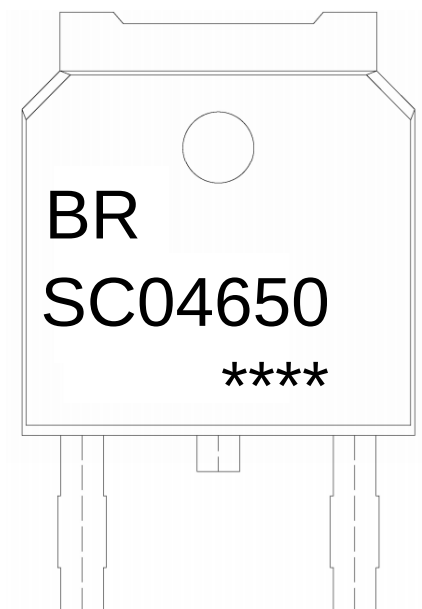
单位：mm

| Symbol | Dimensions In Millimeters |      | Symbol | Dimensions In Millimeters |      |
|--------|---------------------------|------|--------|---------------------------|------|
|        | Min                       | Max  |        | Min                       | Max  |
| 6.25   | 6.25                      | 2.20 | 2.20   | 2.40                      | 5.95 |
| 2.34   |                           | B    | 0.95   | 1.25                      | e1   |
| 4.72   |                           | 0.70 | 0.30   | 0.00                      | e2   |
| 10.35  |                           | 0.45 | 0.55   | L1                        | 9.85 |
| 0.60   | 0.45                      | 0.55 | 1.2    | 1.70                      | 2.00 |
| 0.90   |                           | D1   | 6.45   | 6.75                      | 1.3  |
| 0.10   | 0.00                      | 0.10 |        | 0.10                      | 0    |

□-252

7

/ Marking Instructions



BR

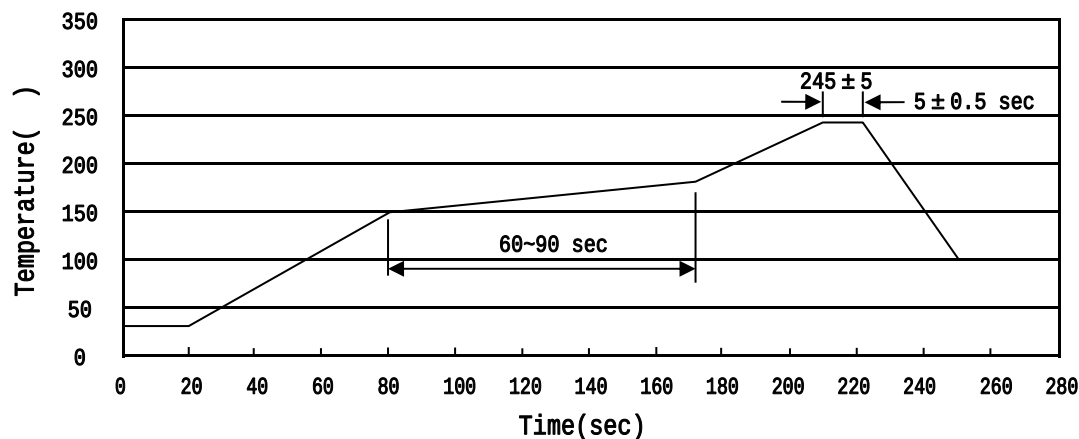
SC04650

Note:

BR: Company Code

SC04650: Product Type Code

\*\*\*\*: Lot No. Code, code change with Lot No.


**( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)**


Note:

- |   |     |     |    |          |                                             |
|---|-----|-----|----|----------|---------------------------------------------|
| 1 | 150 | 180 | 60 | 90sec;   | 1.Preheating:150~180 , Time:60~90sec.       |
| 2 | 245 | 5   | 5  | 0.5sec;  | 2.Peak Temp.:245 ± 5 , Duration:5 ± 0.5sec. |
| 3 |     |     | 2  | 10 /sec. | 3. Cooling Speed: 2~10 /sec.                |

**/ Resistance to Soldering Heat Test Conditions**

260 ± 5      10 ± 1 sec.      Temp.:260±5      Time:10±1 sec

**/ Packaging SPEC.**
**/ REEL**

| Package Type | Units      |                 |                 |                       |                 | Dimension (unit mm <sup>3</sup> ) |            |             |
|--------------|------------|-----------------|-----------------|-----------------------|-----------------|-----------------------------------|------------|-------------|
|              | Units/Reel | Reels/Inner Box | Units/Inner Box | Inner Boxes/Outer Box | Units/Outer Box | Reel                              | Inner Box  | Outer Box   |
| TO-252       | 2,500      | 2               | 5,000           | 6                     | 30,000          | 13 ×16                            | 360×360×50 | 380×335×366 |

**/ TUBE**

| Package Type | Units      |                 |                 |                       |                 | Dimension (unit mm <sup>3</sup> ) |            |             |
|--------------|------------|-----------------|-----------------|-----------------------|-----------------|-----------------------------------|------------|-------------|
|              | Units/Tube | Tubes/Inner Box | Units/Inner Box | Inner Boxes/Outer Box | Units/Outer Box | Tube                              | Inner Box  | Outer Box   |
| TO-251/252   | 75         | 48              | 3,600           | 5                     | 18,000          | 526×20.5×5.25                     | 555×164×50 | 575×290×180 |

**/ Notices**

All information provided in this document is subject to legal disclaimers.