



**绝对最大额定值 (Ta=25℃)**

| 参数<br>Parameter                                                                                   | 符号<br>Symbol    | 额定值<br>Rating |      |      |      |      |       | 单位<br>Unit         |
|---------------------------------------------------------------------------------------------------|-----------------|---------------|------|------|------|------|-------|--------------------|
|                                                                                                   |                 | ABS1          | ABS2 | ABS4 | ABS6 | ABS8 | ABS10 |                    |
| Maximum Repetitive Peak Reverse Voltage                                                           | $V_{RRM}$       | 100           | 200  | 400  | 600  | 800  | 1000  | V                  |
| Maximum RMS voltage                                                                               | $V_{RMS}$       | 70            | 140  | 280  | 420  | 560  | 700   | V                  |
| Maximum DC Blocking Voltage                                                                       | $V_{DC}$        | 100           | 200  | 400  | 600  | 800  | 1000  | V                  |
| Average Rectified Output Current at $T_a = 40^\circ\text{C}$                                      | $I_o$           | 0.8           |      |      |      |      |       | A                  |
| Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method) | $I_{FSM}$       | 30            |      |      |      |      |       | A                  |
| Typical Junction Capacitance (Note1)                                                              | $C_i$           | 13            |      |      |      |      |       | pF                 |
| Typical Thermal Resistance (Note2)                                                                | $R_{\theta JA}$ | 85            |      |      |      |      |       | $^\circ\text{C/W}$ |
|                                                                                                   | $R_{\theta JL}$ | 30            |      |      |      |      |       | $^\circ\text{C/W}$ |
| Operating and Storage Temperature Range                                                           | $T_j, T_{stg}$  | -55~150       |      |      |      |      |       | $^\circ\text{C}$   |

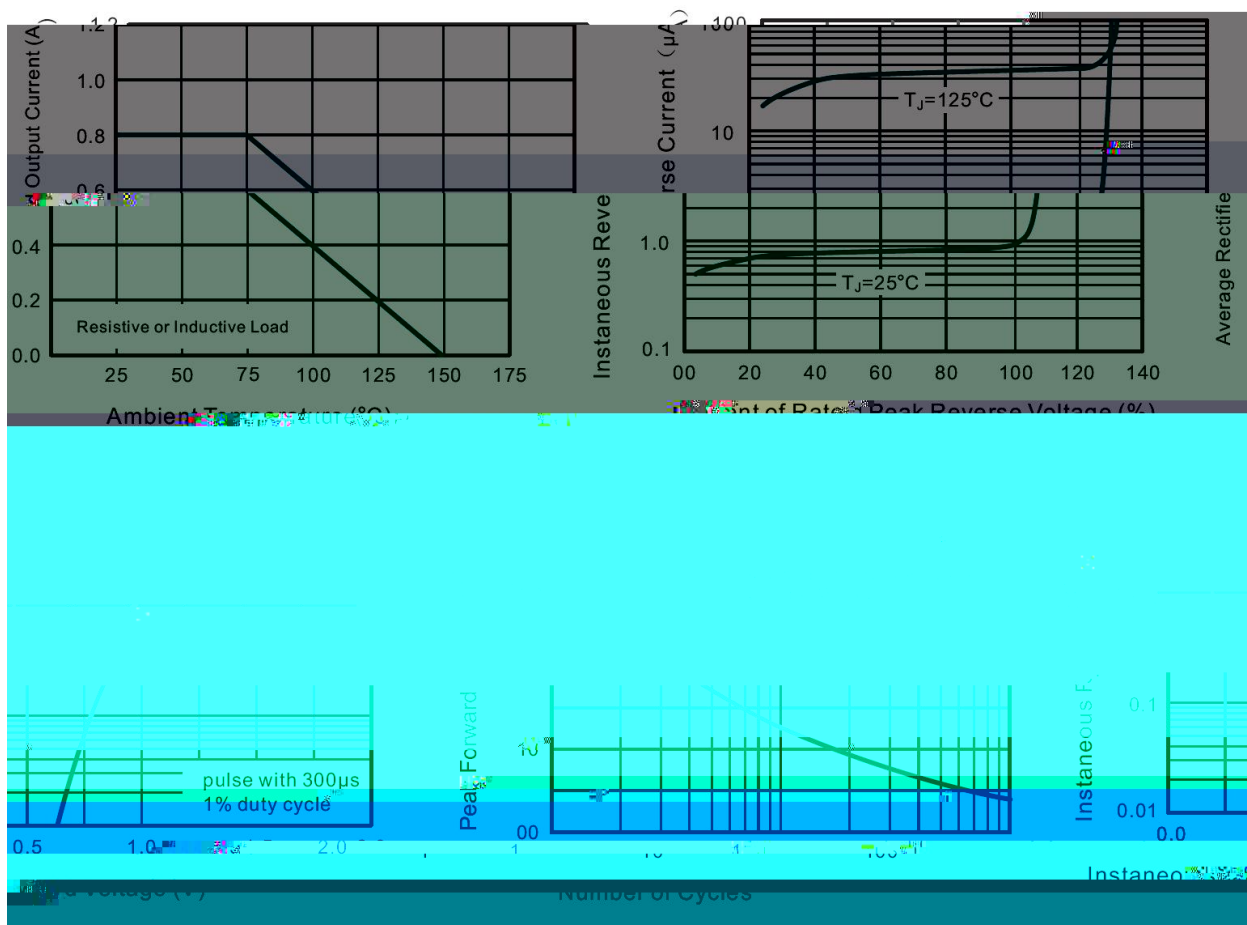
Note:

1. Measured at 1MHz and applied reverse voltage of 4 V D.C.
2. Mounted on glass epoxy PC board with  $4 \times (5 \times 5\text{mm}^2)$  copper pad.

**电 气 特 性 (Ta=25℃)**

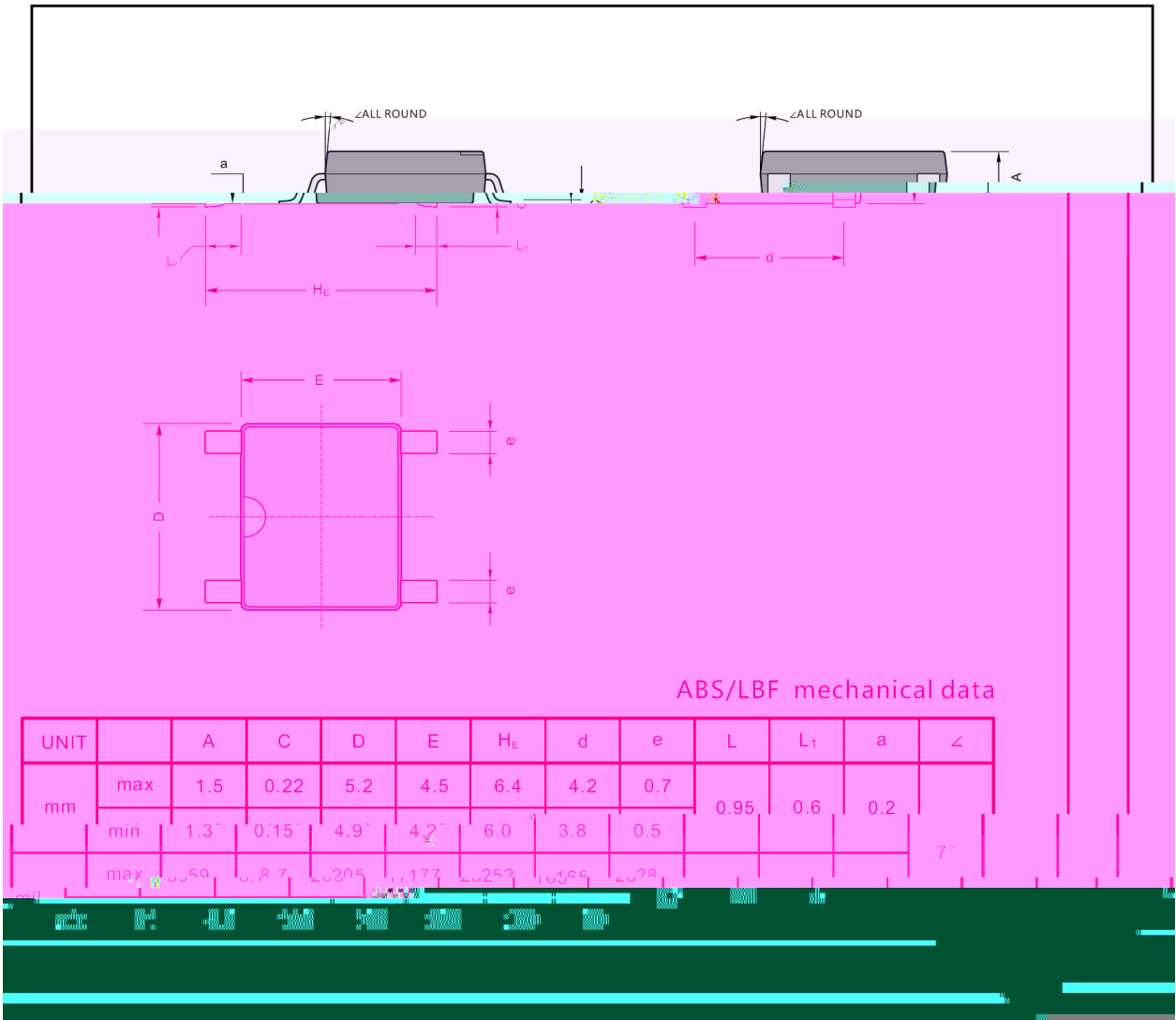
| 参数<br>Parameter                                           | 符号<br>Symbol | 测试条件<br>Test Conditions | 额定值<br>Rating | 单位<br>Unit    |
|-----------------------------------------------------------|--------------|-------------------------|---------------|---------------|
| Forward Voltage per element                               | $V_F$        | $I_F=0.4\text{A}$       | 1.0           | V             |
|                                                           |              | $I_F=0.8\text{A}$       | 1.1           |               |
| Maximum DC Reverse Current at Maximum DC Blocking Voltage | $I_R$        | $T_a=25^\circ\text{C}$  | 5.0           | $\mu\text{A}$ |
|                                                           |              | $T_a=100^\circ\text{C}$ | 50            |               |
|                                                           |              | $T_a=125^\circ\text{C}$ | 100           |               |

Electrical Characteristic Curve



ABS1~ABS10 / Package Dimensions

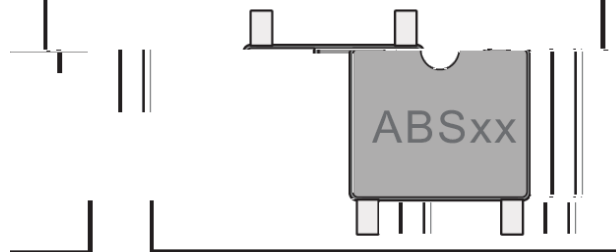
ABS/LBF



4. 标记 / Marking Instructions

### Marking

| Type number | Marking code |
|-------------|--------------|
| ABS1        | ABS1         |
| ABS2        | ABS2         |
| ABS4        | ABS4         |
| ABS6        | ABS6         |
| ABS8        | ABS8         |
| ABS10       | ABS10        |



4. 标记 / Marking Instructions



” X

ABS1 X 产品型号

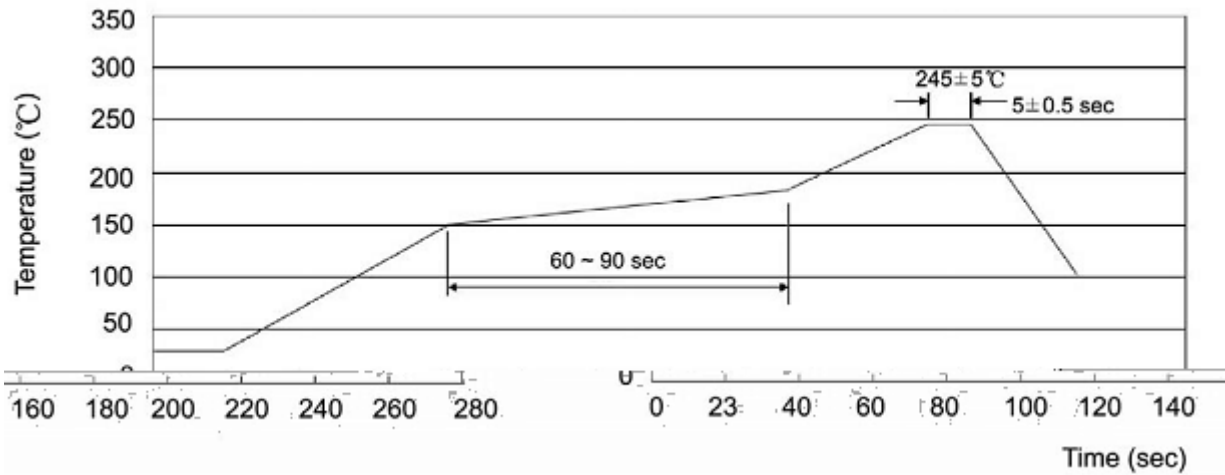
\*\*\*\* X 批次号 1 第 1 个 \* 表示年份 2 第 2 个 \* 表示月份 3 第 3 个 \* 表示日期 4 第 4 个 \* 表示流水号

Note:

ABS1 X Product Type Code

\*\*\*\* X Lot No. Code 1 The 1st \* means:YM Code 2 The last 3 \* means:little Lot No Code

3. 回流焊温度曲线 / Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0lueh,



3. 回流焊温度曲线 / Whp shudwxuh Suriloh i ru LU Uhior z Vroghulqj+Se0lueh,
1. 预加热: 25~150℃, Time: 60~90sec;
  2. 峰值温度: 245±5℃, 持续时间: 5±0.5sec;
  3. 冷却速度: 2~10℃/sec.

Note:

- 1.Preheating:25~150℃, Time:60~90sec.
- 2.Peak Temp.:245±5℃, Duration:5±0.5sec.
3. Cooling Speed: 2~10℃/sec.

4. 抗焊热测试条件 / Resistance to Soldering Heat Test Conditions

测试温度: 260±5℃, 测试时间: 10±1 sec. Temp.:260±5 Time:10±1 sec

5. 包装规格 / Packaging SPEC.

包装形式 / 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   |
| ABS/LBF      | 5000       | 2               | 10000           | 5                     | 50000           | 13" ×15                           | 336X336X40 | 380X335X366 |

6. 注意事项 / Notices