



| A | 2019-7-23 | ALL | SMC-A-S8KC_S8MC-8A1KV |  |  |
|---|-----------|-----|-----------------------|--|--|
| B | 2021-2-9  | 2/8 |                       |  |  |
|   |           |     |                       |  |  |
|   |           |     |                       |  |  |
|   |           |     |                       |  |  |
|   |           |     |                       |  |  |
|   |           |     |                       |  |  |
|   |           |     |                       |  |  |
|   |           |     |                       |  |  |
|   |           |     |                       |  |  |



Rev. B Feb.-2021

800~1000V

8.0A SMC

Surface Mount General Purpose Silicon Rectifier, Reverse Voltage: 800 to 1000 V, Forward Current:8.0A ,SMC package.

RoHS 2011/65/EU

Glass Passivated Chip Junction,Lead free in comply



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| 参数<br>Parameter                           | 符号<br>Symbol | 数值<br>Rating |      | 单位<br>Unit |
|-------------------------------------------|--------------|--------------|------|------------|
|                                           |              | S8KC         | S8MC |            |
| Maximum Repetitive Peak Reverse Voltage   | $V_{RRM}$    | 800          | 1000 | V          |
| Maximum RMS voltage                       | $V_{RMS}$    | 560          | 700  | V          |
| Maximum DC Blocking Voltage               | $V_{DC}$     | 800          | 1000 | V          |
| Maximum Average Forward Rectified Current | $I_F (AV)$   | 8.0          |      | A          |



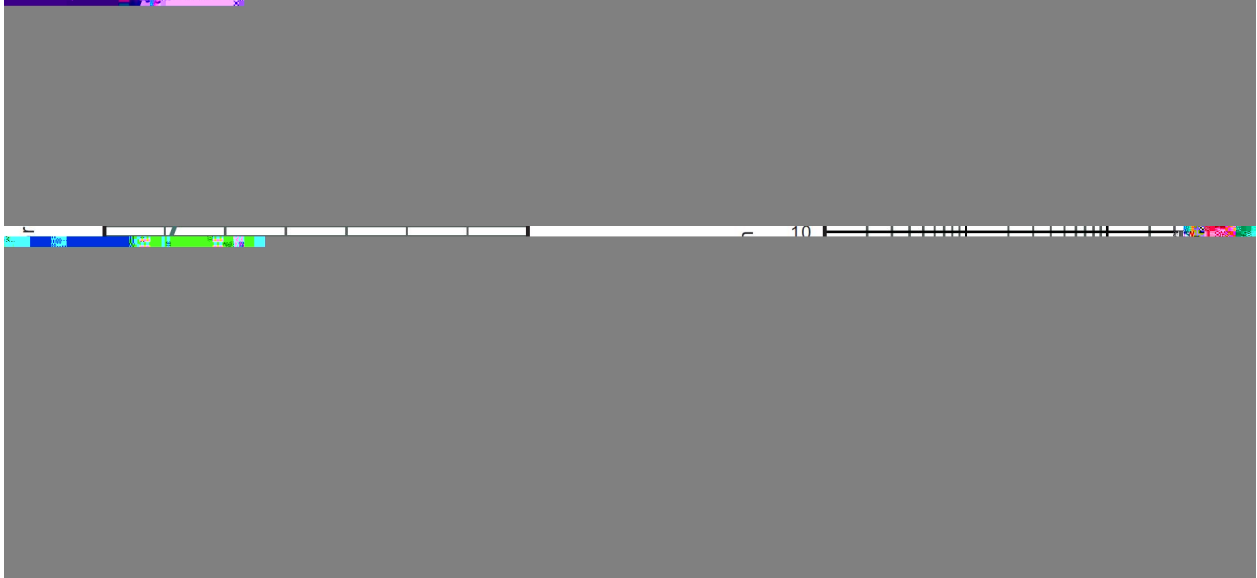
Fig.1 Forward Current Derating Curve

Fig.2 Typical Reverse Characteristics



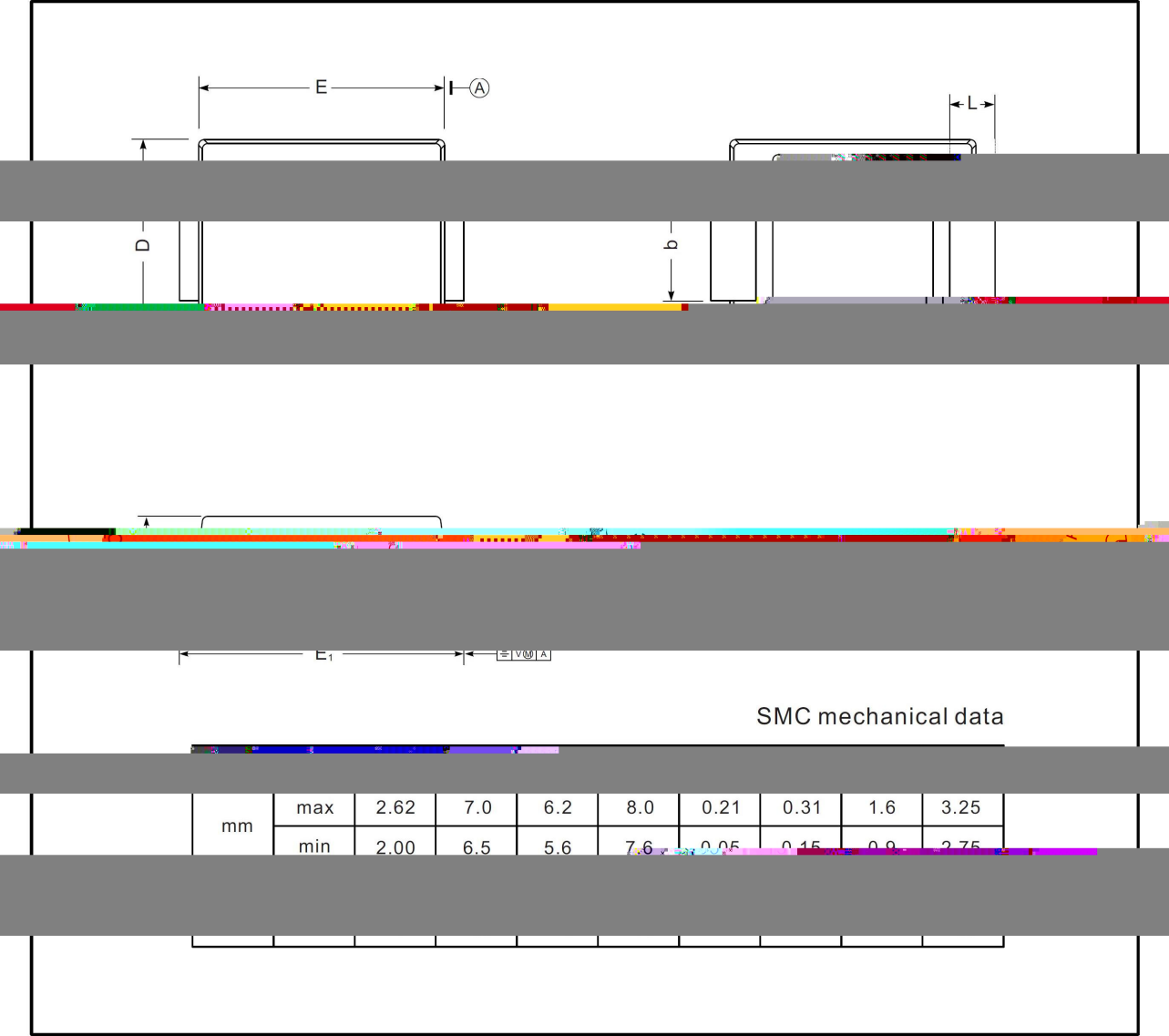
Fig.3 Typical Forward Characteristic

Fig.4 Typical Junction Capacitance





SMC





# Marking

| Type number | Marking code |
|-------------|--------------|
| S8KC        | S8K          |



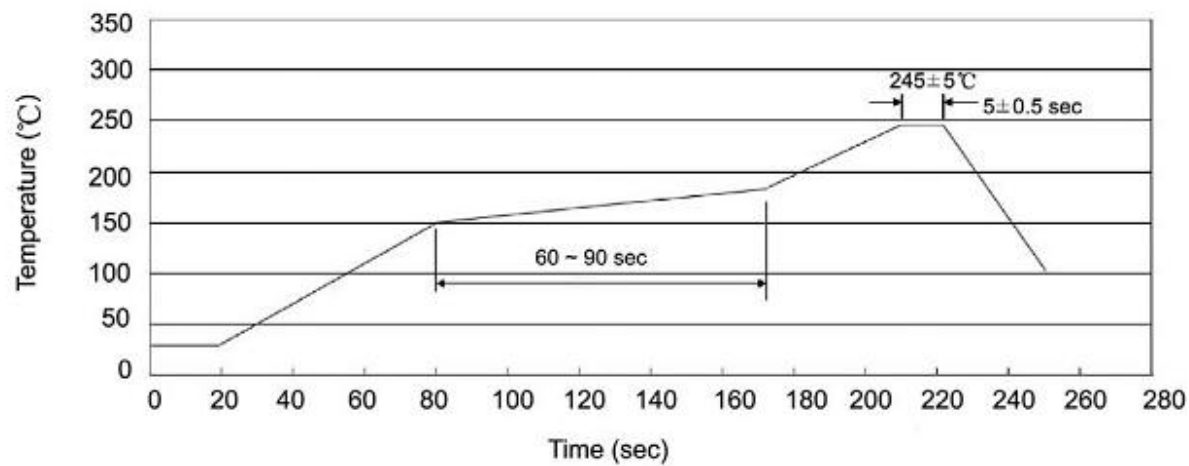
S8K

\*\*\*\* 1 \* 3 \*

Note:

S8K Product Type Code

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



Note:

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

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

/ REEL

| Package Type | Units |      |      |     |       | Dimension (unit mm <sup>3</sup> ) |            |             |
|--------------|-------|------|------|-----|-------|-----------------------------------|------------|-------------|
|              | 只 卷盘  | 卷盘 盒 | 只 盒  | 盒 箱 | 只 箱   |                                   |            |             |
| SMC          | 3000  | 2    | 6000 | 6   | 36000 | 13" ×16                           | 337X337X49 | 380X335X366 |