

RS2AF~RS2MF  
Rev.F May.-2019



DATA SHEET

| @ f<br>Parameter                                                                                  | ... Z<br>Symbol                   | f ><br>Rating |       |       |       |       |       |       | % y<br>Unit |
|---------------------------------------------------------------------------------------------------|-----------------------------------|---------------|-------|-------|-------|-------|-------|-------|-------------|
|                                                                                                   |                                   | RS2AF         | RS2BF | RS2DF | RS2GF | RS2JF | RS2KF | RS2MF |             |
| Maximum Repetitive Peak Reverse Voltage                                                           | V <sub>RRM</sub>                  | 50            | 100   | 200   | 400   | 600   | 800   | 1000  | V           |
| Maximum RMS voltage                                                                               | V <sub>RMS</sub>                  | 35            | 70    | 140   | 280   | 420   | 560   | 700   | V           |
| Maximum DC Blocking Voltage                                                                       | V <sub>DC</sub>                   | 50            | 100   | 200   | 400   | 600   | 800   | 1000  | V           |
| Maximum Average Forward Rectified Current at Ta = 125                                             | I <sub>F AAV A</sub>              | 2.0           |       |       |       |       |       |       | A           |
| Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method) | I <sub>FSM</sub>                  | 50            |       |       |       |       |       |       | A           |
| Typical Junction Capacitance <sup>1 A</sup>                                                       | C <sub>j</sub>                    | 35            |       |       |       |       |       |       | pF          |
| Typical Thermal Resistance <sup>2 A</sup>                                                         | R <sub>JA</sub>                   | 60            |       |       |       |       |       |       | /W          |
| Operating and Storage Temperature Range                                                           | T <sub>j</sub> , T <sub>stg</sub> | -55~+150      |       |       |       |       |       |       |             |

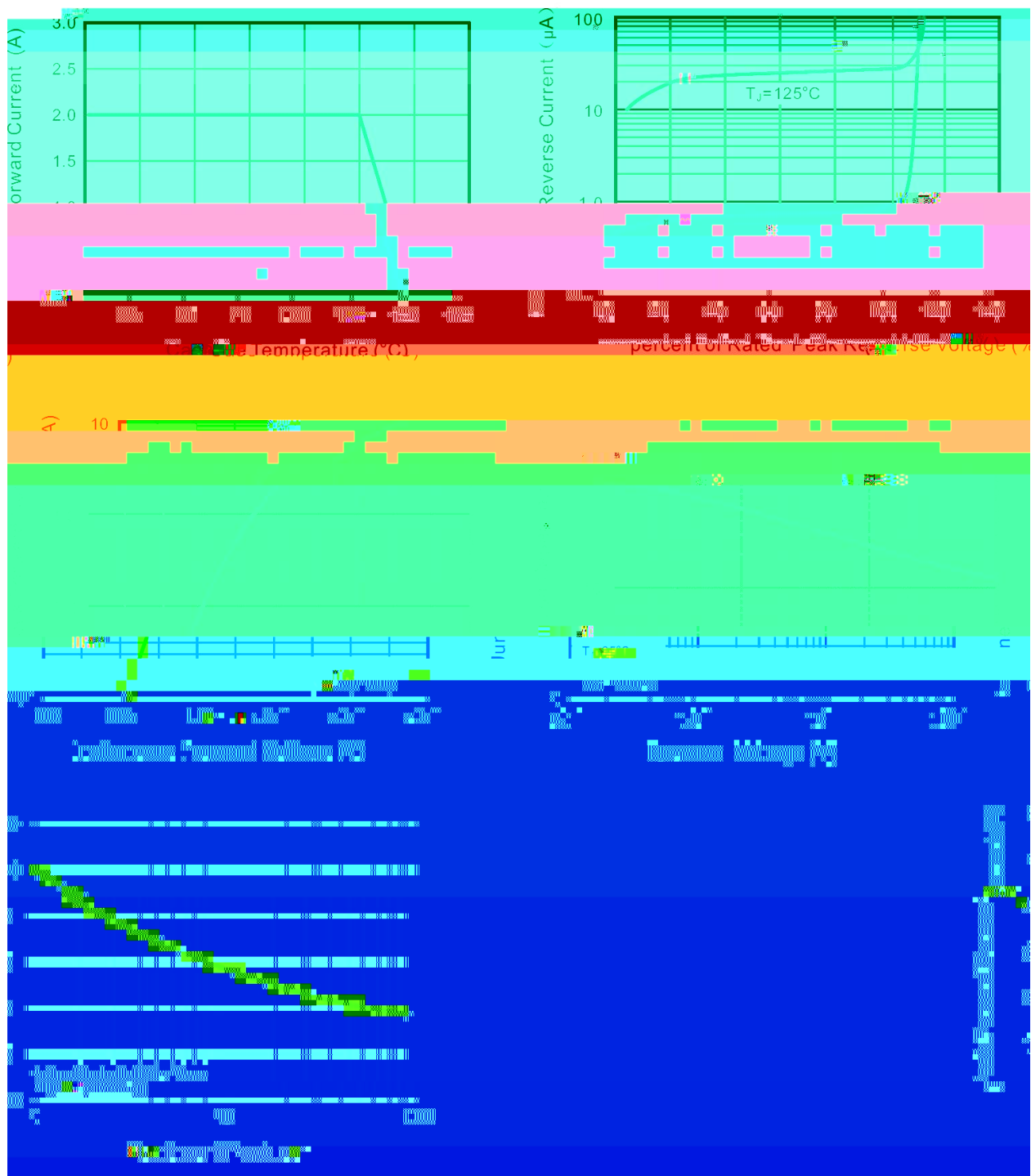
Note:

1) Measured at 1MHz and applied reverse voltage of 4V D.C

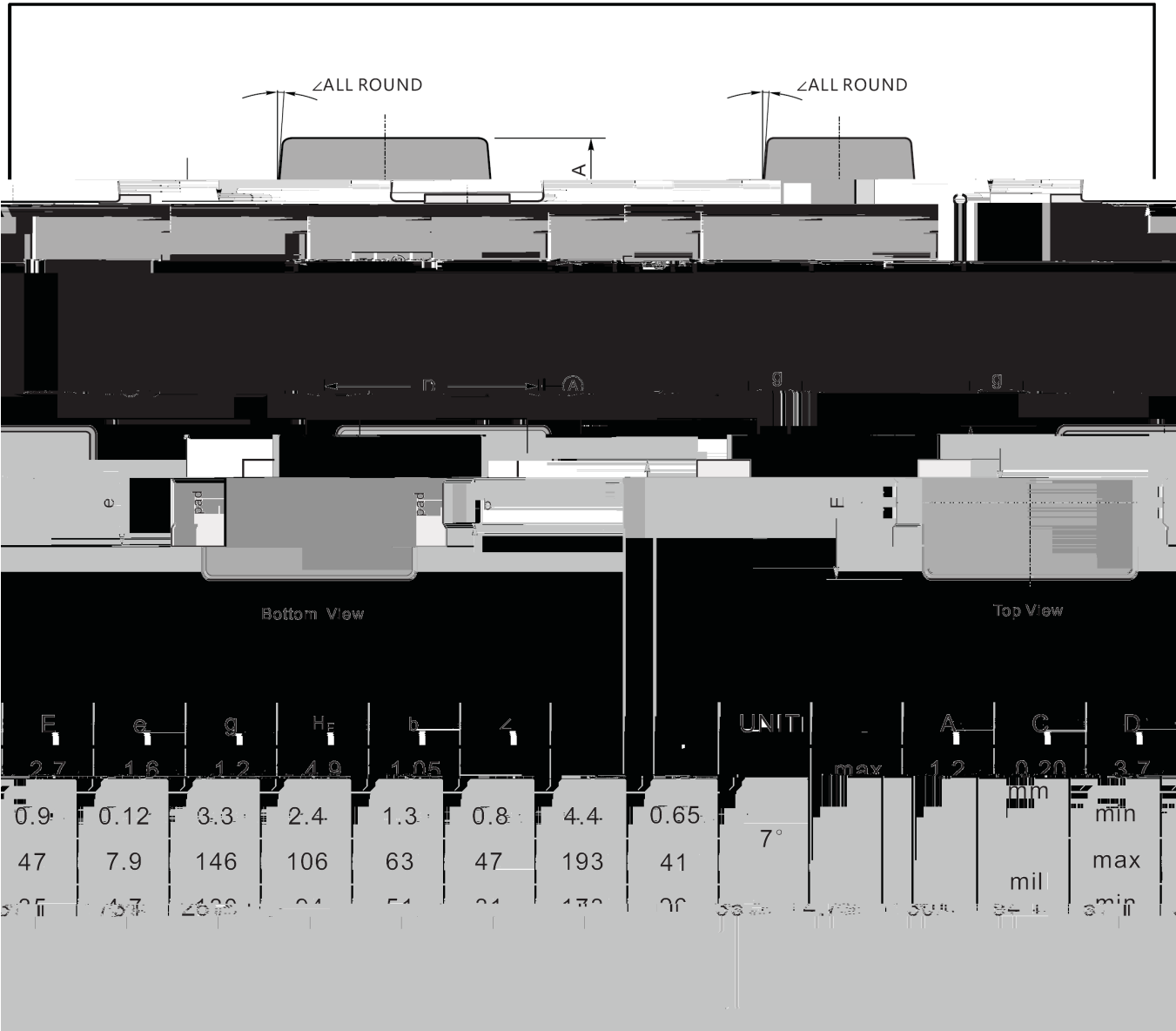
2) P.C.B. mounted with 1.0 X 1.0" (2.54 X 2.54 cm) copper pad areas.

| @ f<br>Parameter | ... Z<br>Symbol | y i Ú ^<br>Test<br>Conditions | D<br>Rating |       |       |       |       |       |       | % y<br>Unit |
|------------------|-----------------|-------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------------|
|                  |                 |                               | RS2AF       | RS2BF | RS2DF | RS2GF | RS2JF | RS2KF | RS2MF |             |

〇 ? d • Ž ¢ / Electrical Characteristic Curve



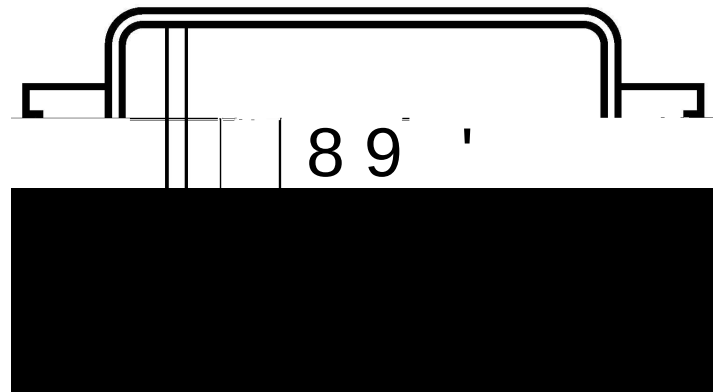
Ø □ = ) ⌀ / Package Dimensions



## Marking

| Type number | Marking code |
|-------------|--------------|
| RS2AF       | RS2A         |
| RS2BF       | RS2B         |
| RS2DF       | RS2D         |
| RS2GF       | RS2G         |
| RS2JF       | RS2J         |
| RS2KF       | RS2K         |
| RS2MF       | RS2M         |

, M y f / Marking Instructions



<sup>a</sup> ¢ y

8 9 ' y ° Z W A

\*\*\*\* y ¨ D Z A Ç A k † v ã W A k e μ ¢ ã 4 Z W A

Note:

8 9 ' y Product Type Code

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

