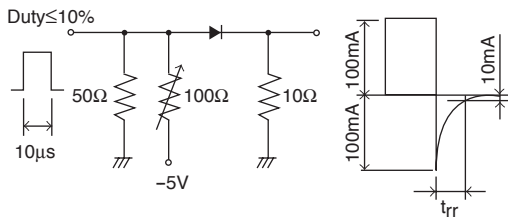


Electrical Characteristics at  $T_a=25^{\circ}\text{C}$ 

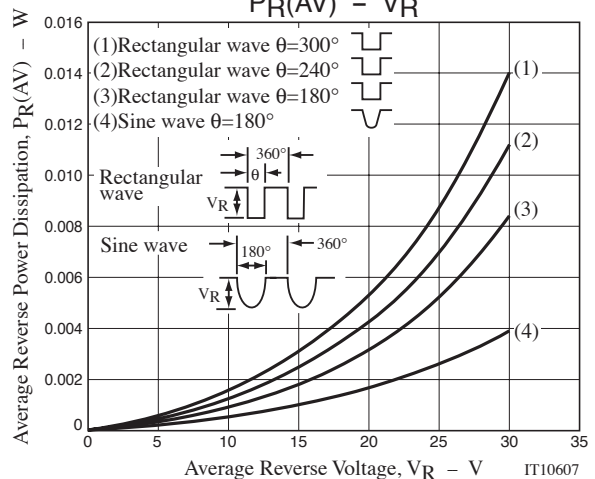
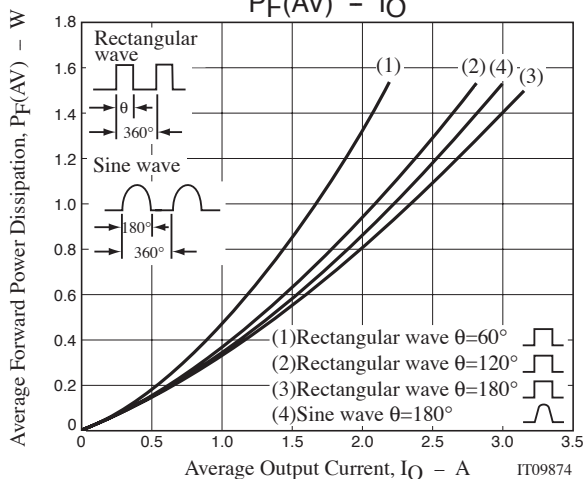
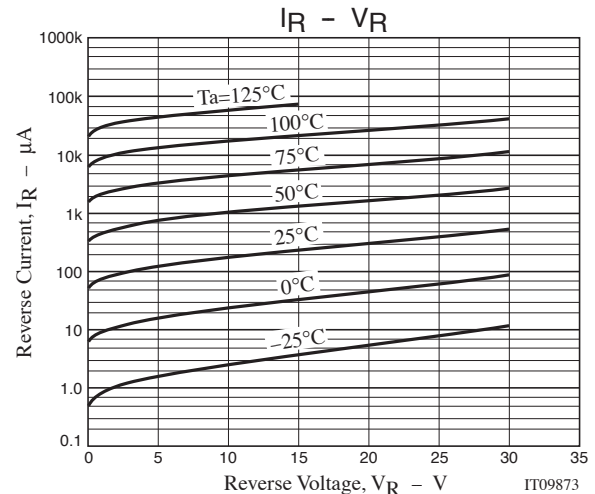
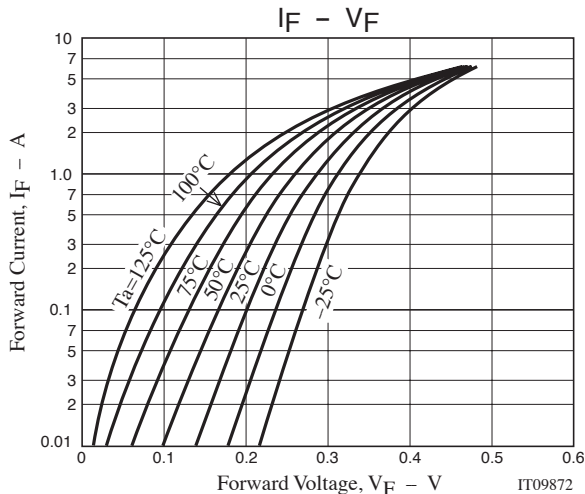
| Parameter                 | Symbol        | Conditions                                                    | Ratings |       |       | Unit                          |
|---------------------------|---------------|---------------------------------------------------------------|---------|-------|-------|-------------------------------|
|                           |               |                                                               | min     | typ   | max   |                               |
| Reverse Voltage           | $V_R$         | $I_R=2.0\text{mA}$                                            | 30      |       |       | V                             |
| Forward Voltage           | $V_F$         | $I_F=2.0\text{A}$                                             |         | 0.335 | 0.385 | V                             |
|                           |               | $I_F=3.0\text{A}$                                             |         | 0.37  | 0.42  | V                             |
| Reverse Current           | $I_R$         | $V_R=15\text{V}$                                              |         |       | 1.4   | mA                            |
| Interterminal Capacitance | C             | $V_R=10\text{V}$ , $f=1\text{MHz}$                            |         | 90    |       | pF                            |
| Reverse Recovery Time     | $t_{rr}$      | $I_F=I_R=100\text{mA}$                                        |         |       | 20    | ns                            |
| Thermal Resistance        | $R_{th(j-a)}$ | When mounted on ceramic substrate (900mm <sup>2</sup> ×0.8mm) |         | 50    |       | $^{\circ}\text{C} / \text{W}$ |

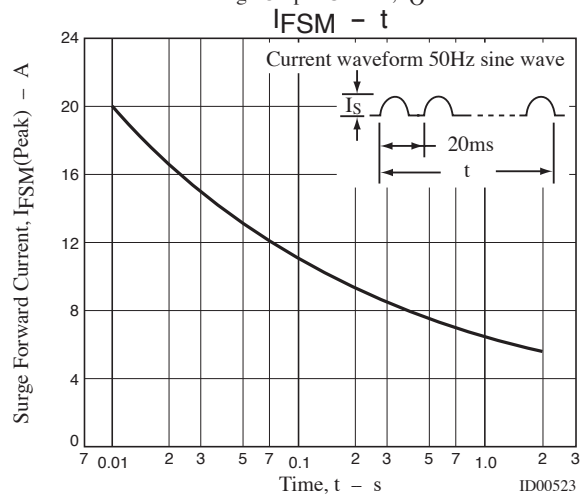
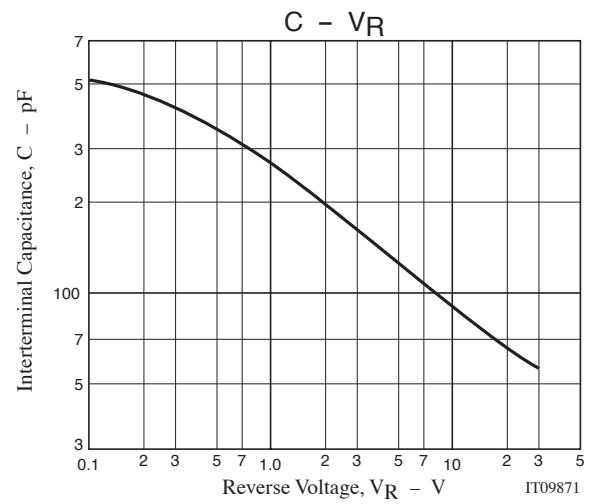
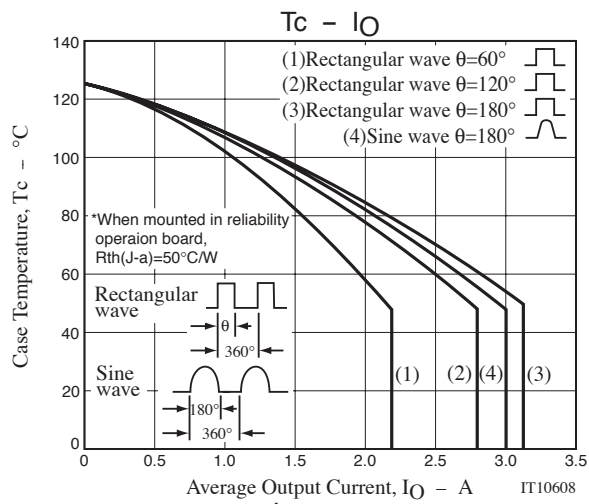
Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

 $t_{rr}$  Test Circuit

## Ordering Information

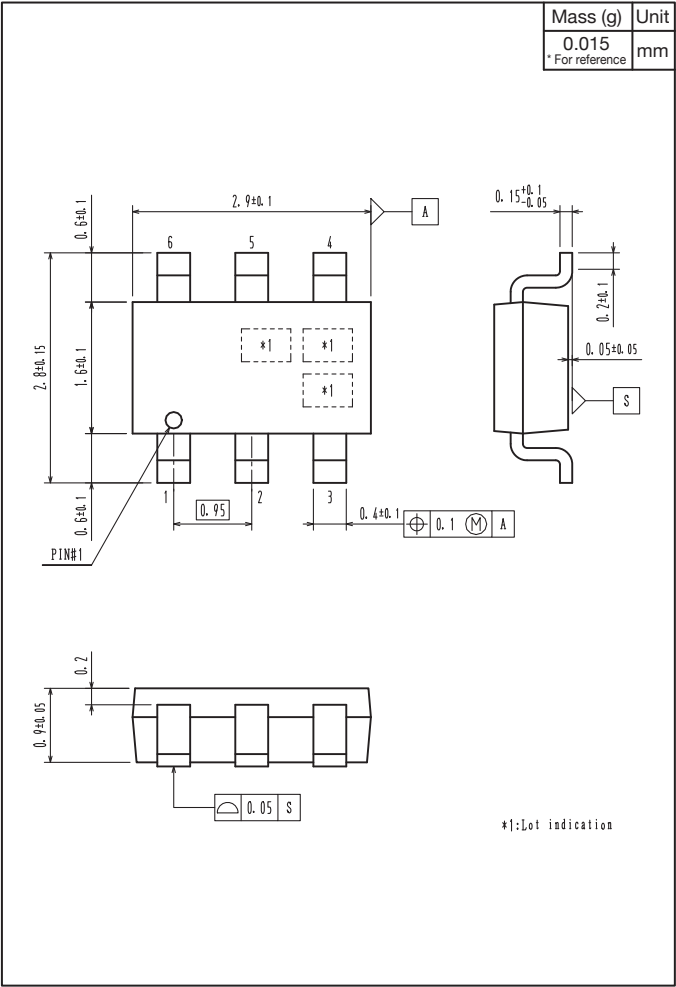
| Device        | Package | Shipping       | memo                     |
|---------------|---------|----------------|--------------------------|
| SS3003CH-TL-E | CPH6    | 3,000pcs./reel | Pb-Free                  |
| SS3003CH-TL-W | CPH6    | 3,000pcs./reel | Pb-Free and Halogen Free |



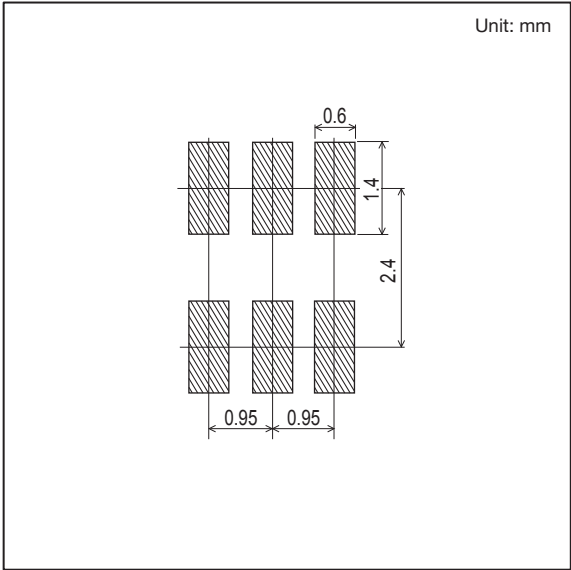


Outline Drawing

SS3003CH-TL-E, SS3003CH-TL-W



Land Pattern Example



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