

●Serise

Standard Fast Recovery

●Application

High frequency rectification

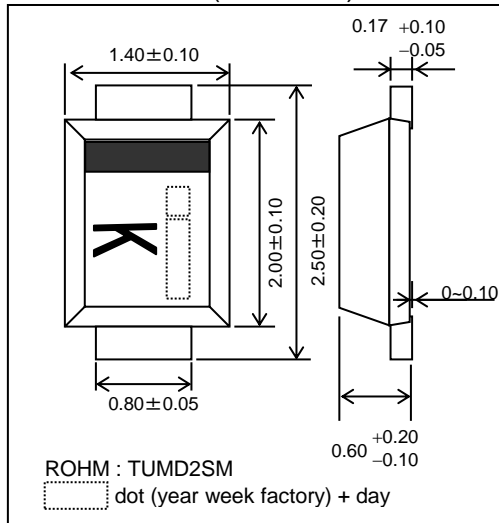
●Features

- 1) Small mold type (TUMD2SM)
- 2) High speed switching

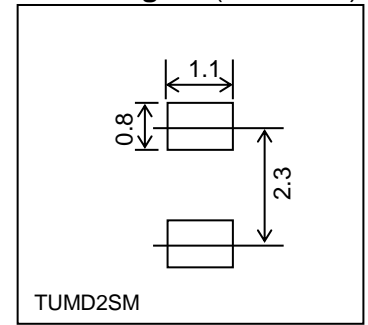
●Construction

Silicon epitaxial planar type

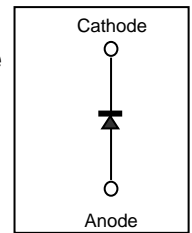
●Dimensions (Unit : mm)



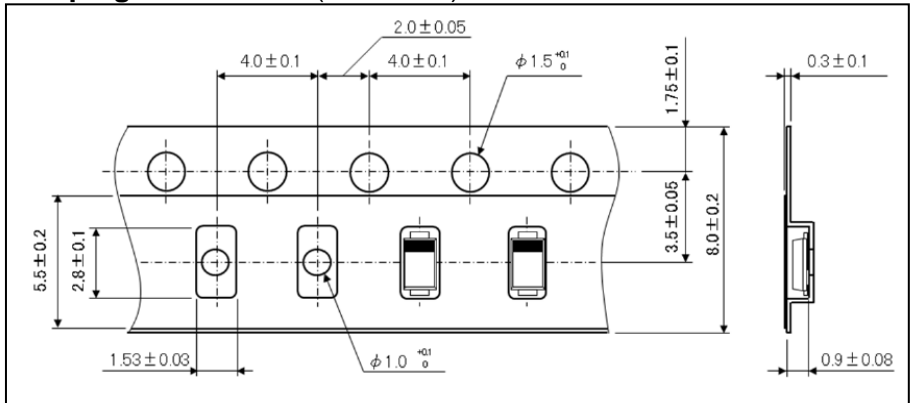
●Land size figure (Unit : mm)



●Structure



●Taping Dimensions (Unit : mm)



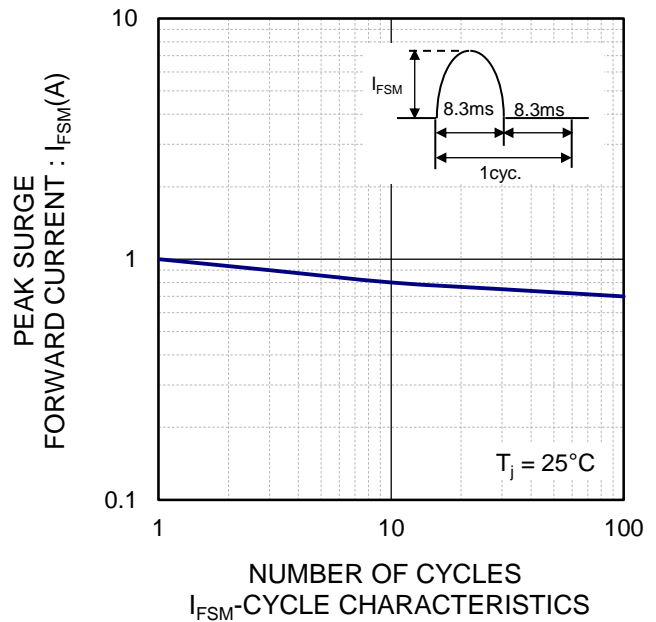
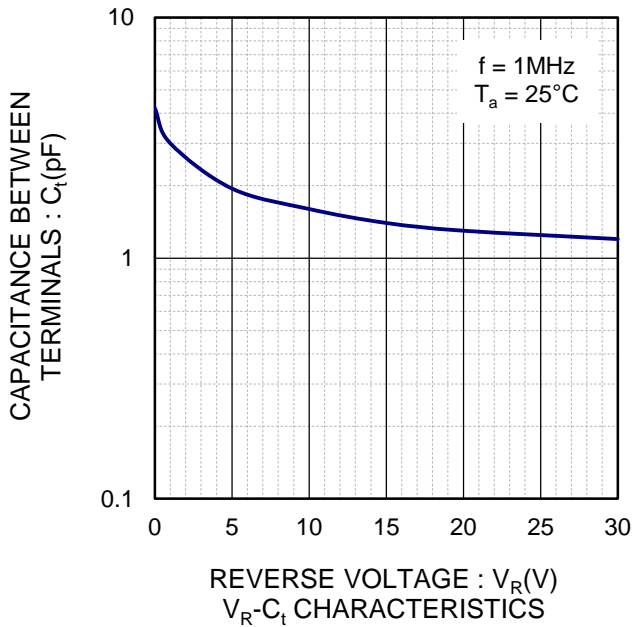
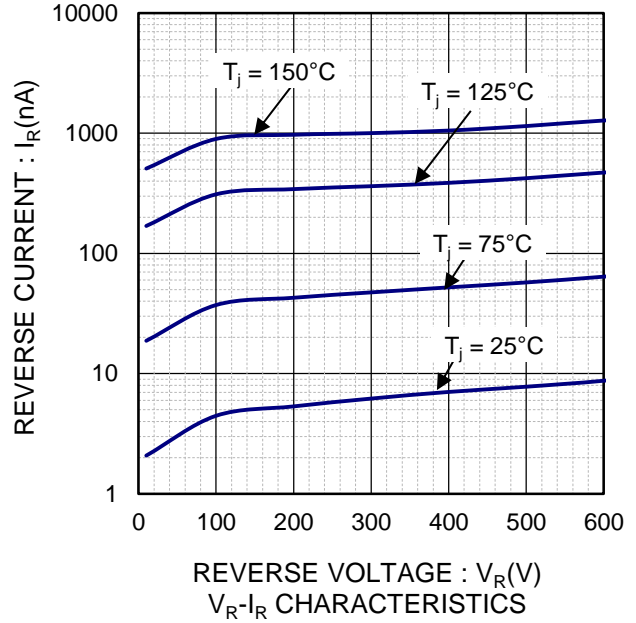
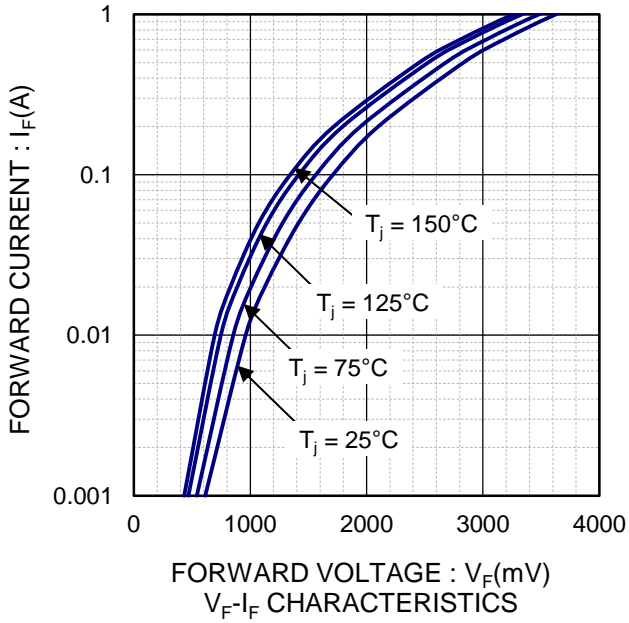
●Absolute maximum ratings (T_i= 25°C)

| Parameter | Symbol | Conditions | Limits | Unit |
|--------------------------------------|------------------|---|-------------|------|
| Repetitive peak reverse voltage | V _{RM} | Duty ≤ 0.5 | 800 | V |
| Reverse voltage | V _R | Direct voltage | 800 | V |
| Average current | I _o | On glass epoxy substrate 60Hz half sin wave , Resistive load T _i =125°C | 0.2 | A |
| Non-repetitive forward surge current | I _{FSM} | 60Hz half sin wave , Non-repetitive at T _j =25°C | 1 | A |
| Operating junction temperature | T _j | - | 150 | °C |
| Storage temperature | T _{stg} | - | -55 to +150 | °C |

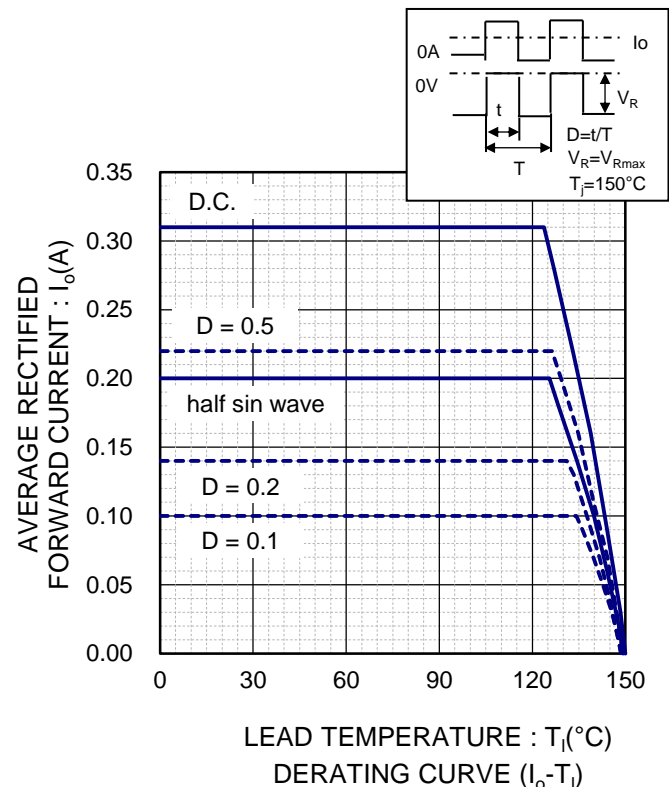
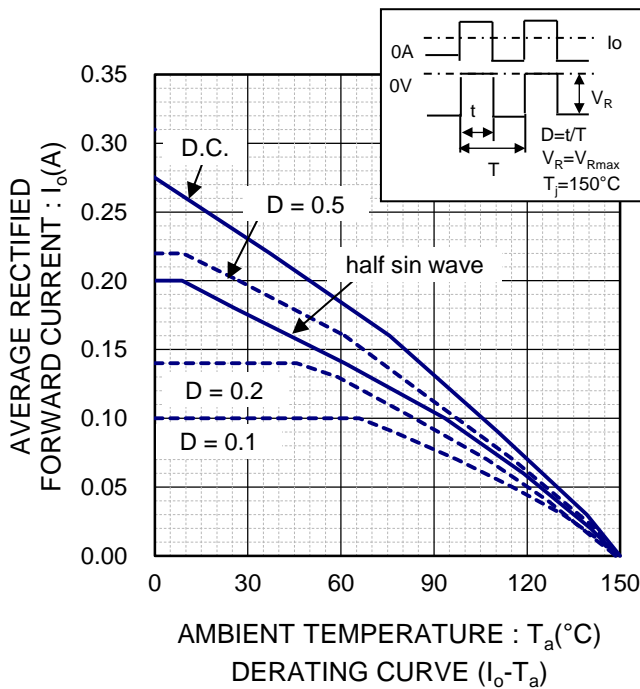
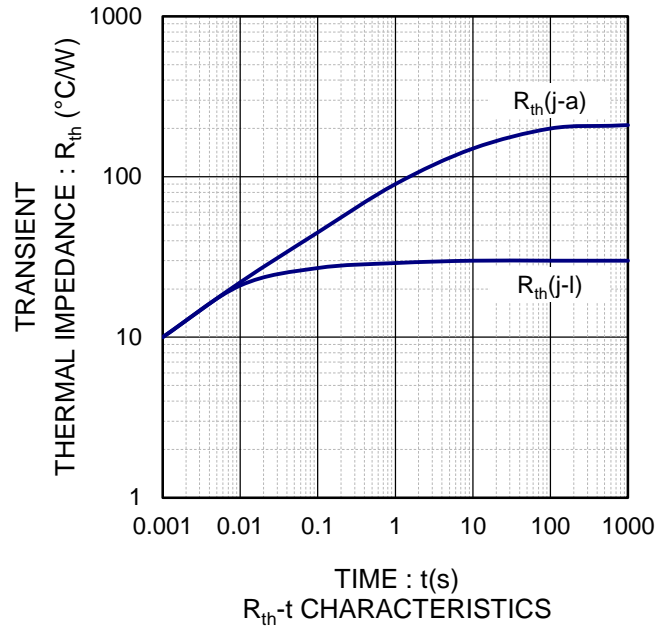
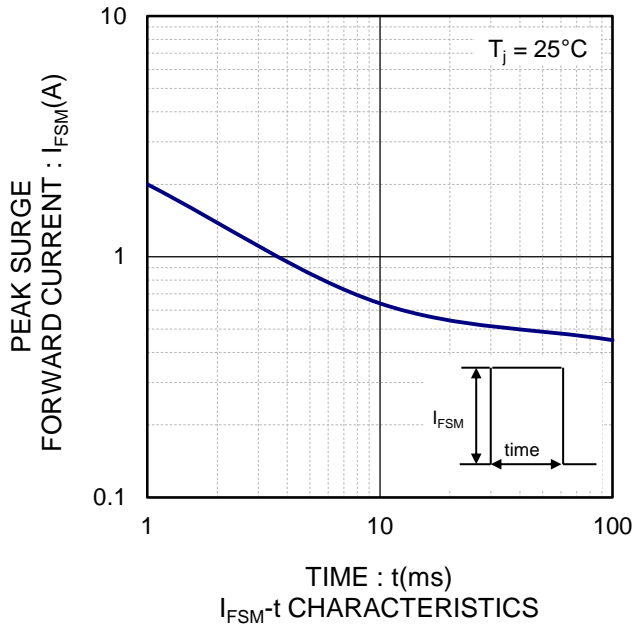
●Electrical characteristics (T_j = 25°C)

| Parameter | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|-----------------------|----------------|--|------|------|------|------|
| Forward voltage | V _F | I _F =0.2A | - | 2.2 | 3.0 | V |
| Reverse current | I _R | V _R =800V | - | 0.01 | 10 | μA |
| Reverse recovery time | trr | I _F =0.1A, I _R =0.1A, Irr=0.1×I _R | - | 20 | 35 | ns |
| Reverse recovery time | trr | I _F =0.1A, I _R =0.2A, Irr=0.1×I _R | - | 13 | 25 | ns |
| Thermal capacitance | C _t | V _R =0V, f=1MHz | - | 4 | - | pF |

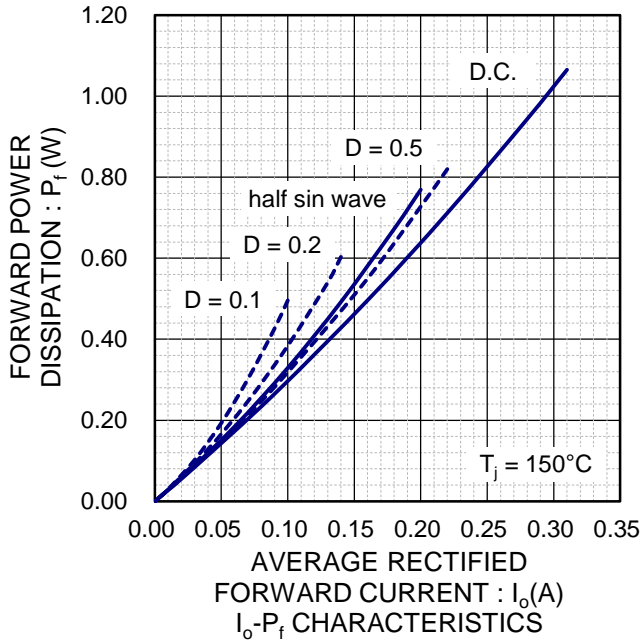
●Electrical characteristic curves



●Electrical characteristic curves



●Electrical characteristic curves



Notes

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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Специальные условия для постоянных клиентов.
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- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Комплексную поставку.
- Работу по проектам и поставку образцов.
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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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