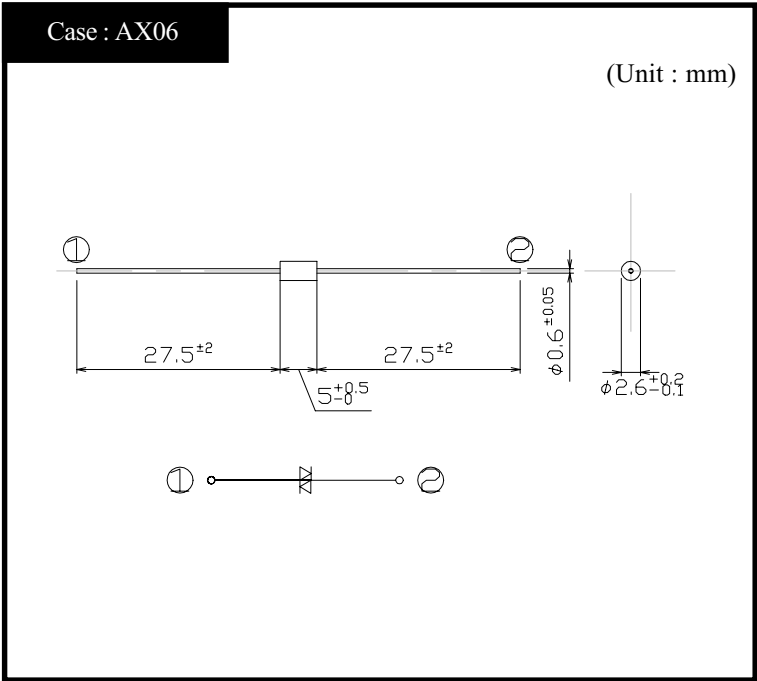


VR61B(A)

OUTLINE DIMENSIONS



RATINGS

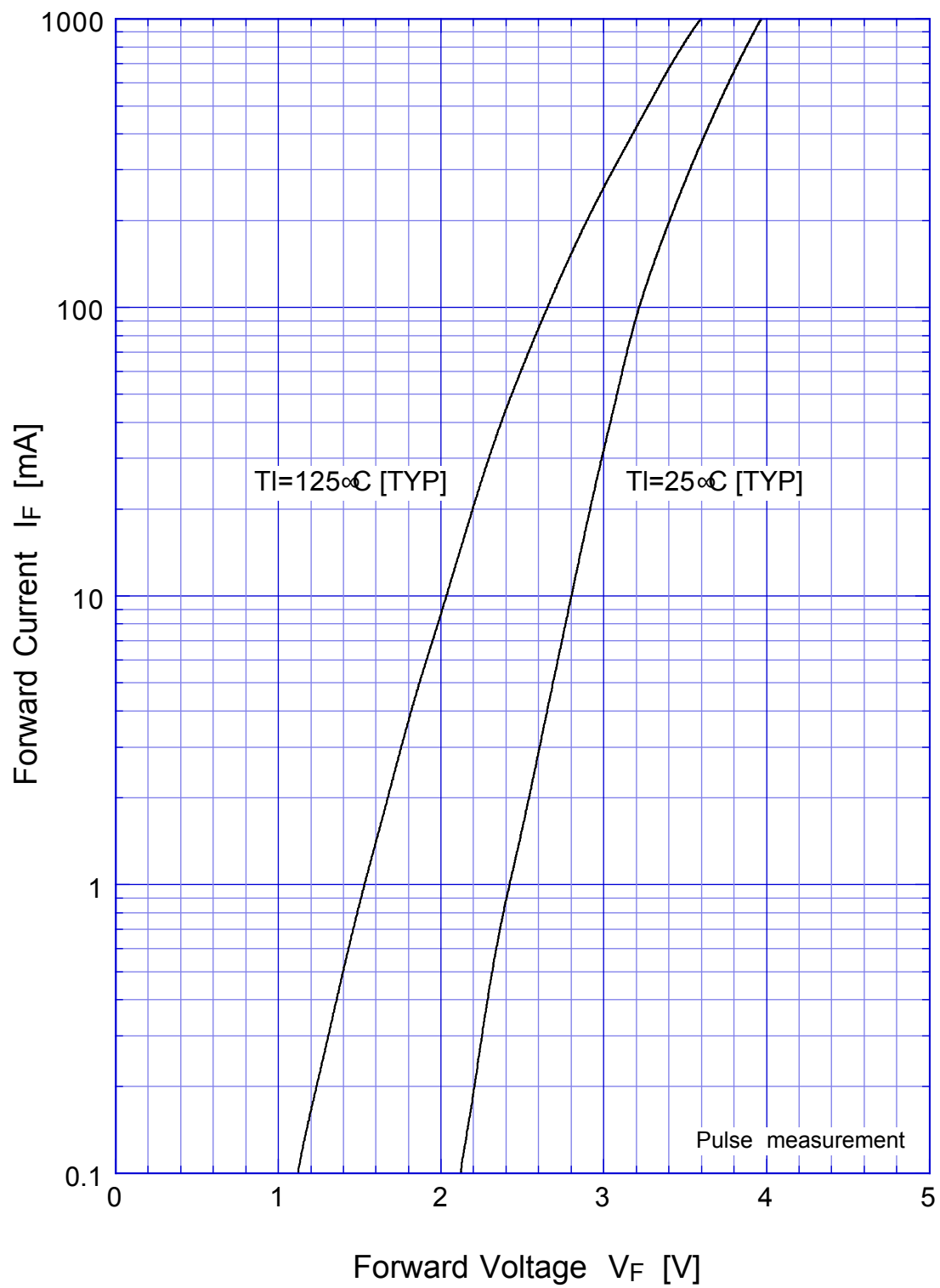
●Absolute Maximum Ratings

| Item                              | Symbol           | Conditions                                                                                | Ratings | Unit |
|-----------------------------------|------------------|-------------------------------------------------------------------------------------------|---------|------|
| Storage Temperature               | T <sub>stg</sub> |                                                                                           | -30~125 | ℃    |
| Junction Temperature              | T <sub>j</sub>   |                                                                                           | 125     | ℃    |
| Average Rectified Forward Current | I <sub>O</sub>   | T <sub>a</sub> = 40℃, Sine wave, R-load<br>Commercial frequency, On glass-epoxy substrate | 0.15    | Arms |
| Peak Surge Forward Current        | I <sub>FSM</sub> | 50Hz, Sine wave, 1 cycle, Non-repetitive, T <sub>I</sub> = 25℃                            | 7.5     | Arms |

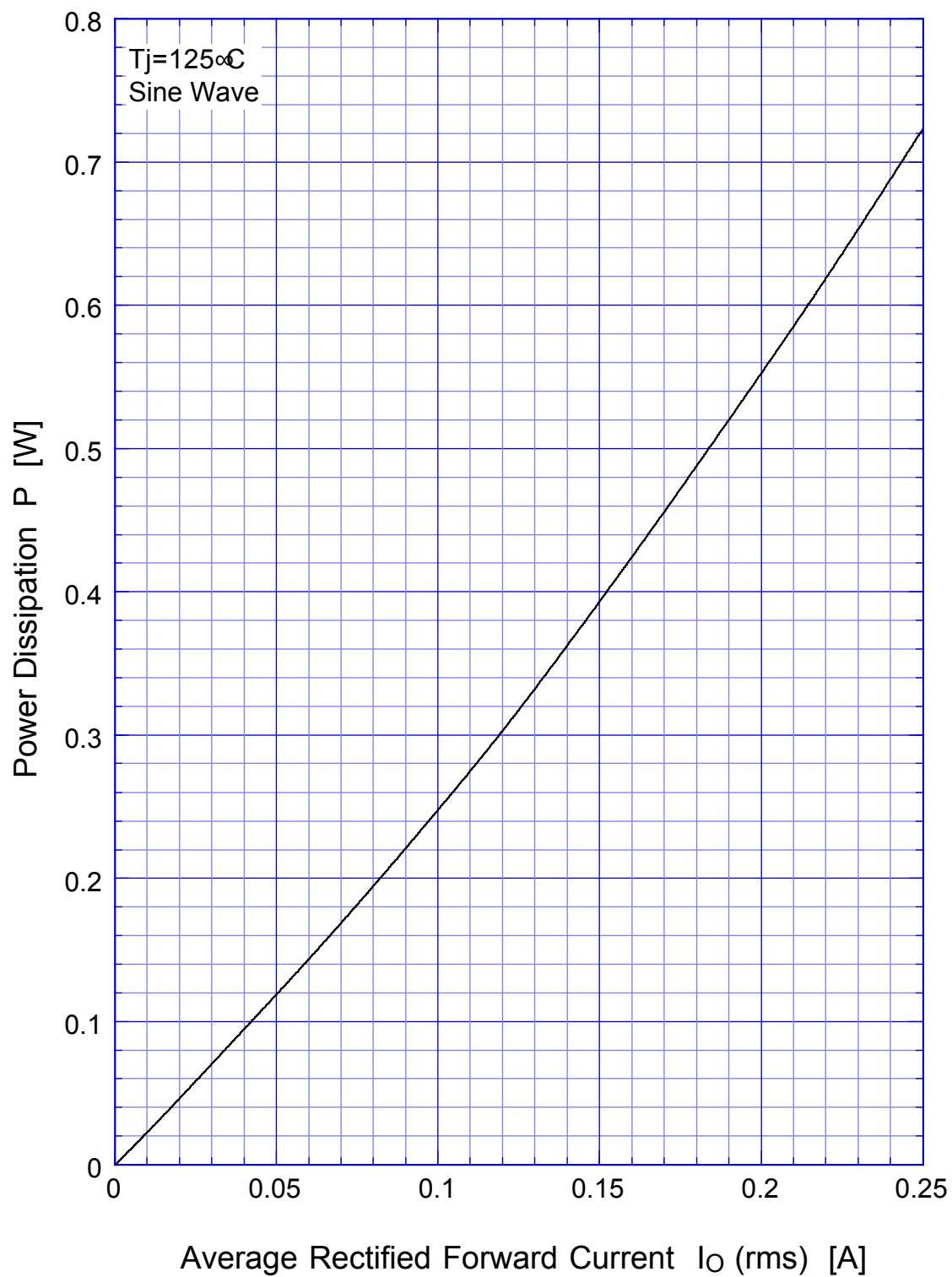
●Electrical Characteristics (T<sub>I</sub>=25℃)

| Item               | Symbol          | Conditions            | Ratings   | Unit |
|--------------------|-----------------|-----------------------|-----------|------|
| Forward Voltage    | V <sub>F</sub>  | I <sub>F</sub> = 1mA  | 2.05~2.55 | V    |
|                    |                 | I <sub>F</sub> = 10mA | 2.50~3.00 |      |
|                    |                 | I <sub>F</sub> = 70mA | 2.85~3.35 |      |
| Thermal Resistance | θ <sub>ja</sub> | Junction to ambient   | MAX 215   | ℃/W  |

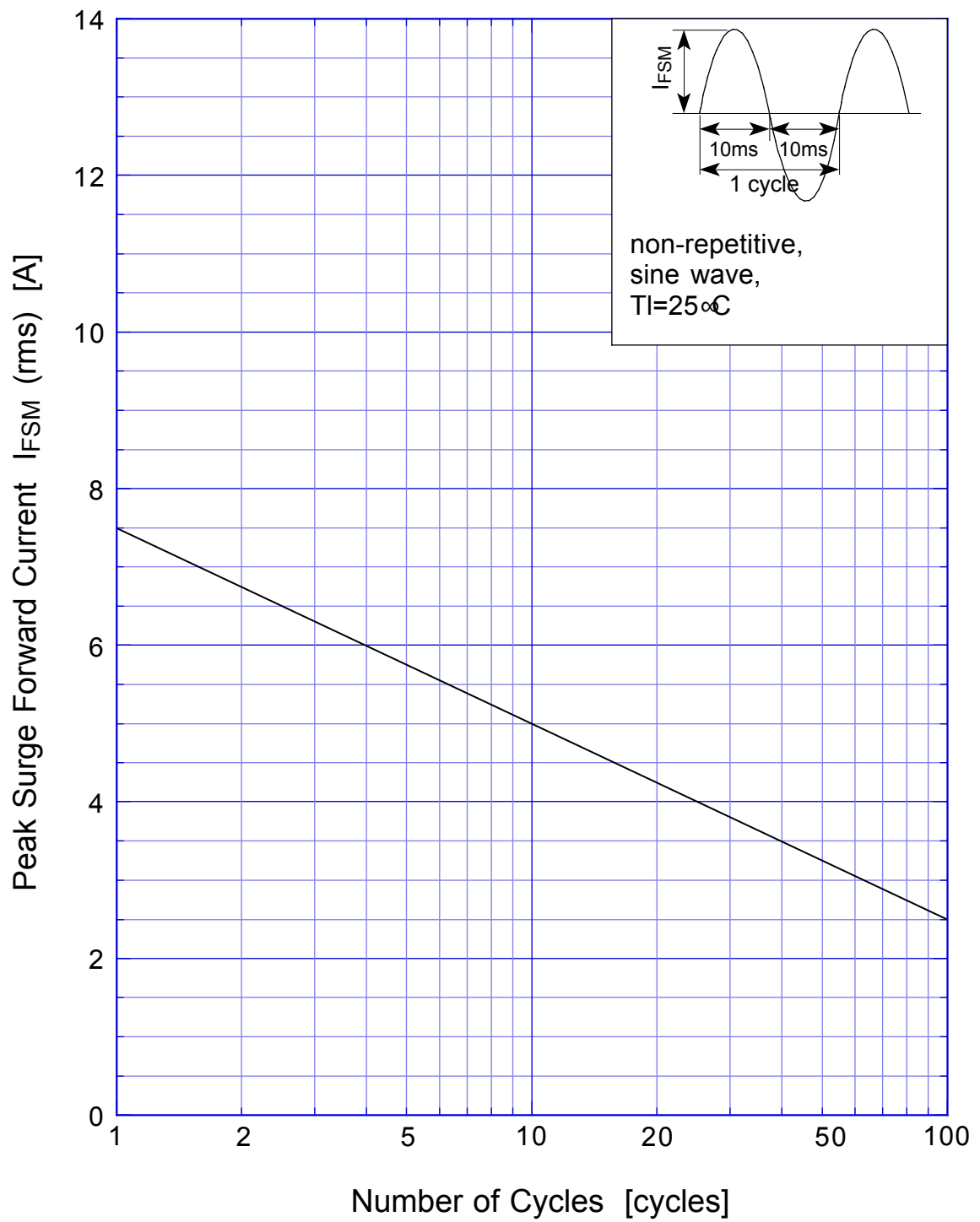
# VR-61B(A) Forward Voltage



## VR-61B(A) Forward Power Dissipation



## VR-61B(A) Peak Surge Forward Capability



VR-61B(A)

Derating Curve

