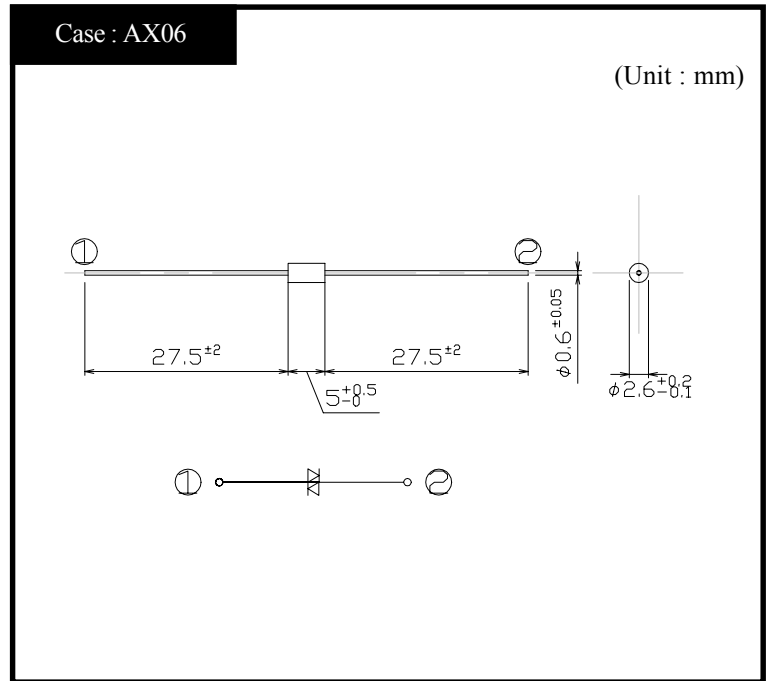


VR61B(A)

OUTLINE DIMENSIONS



RATINGS

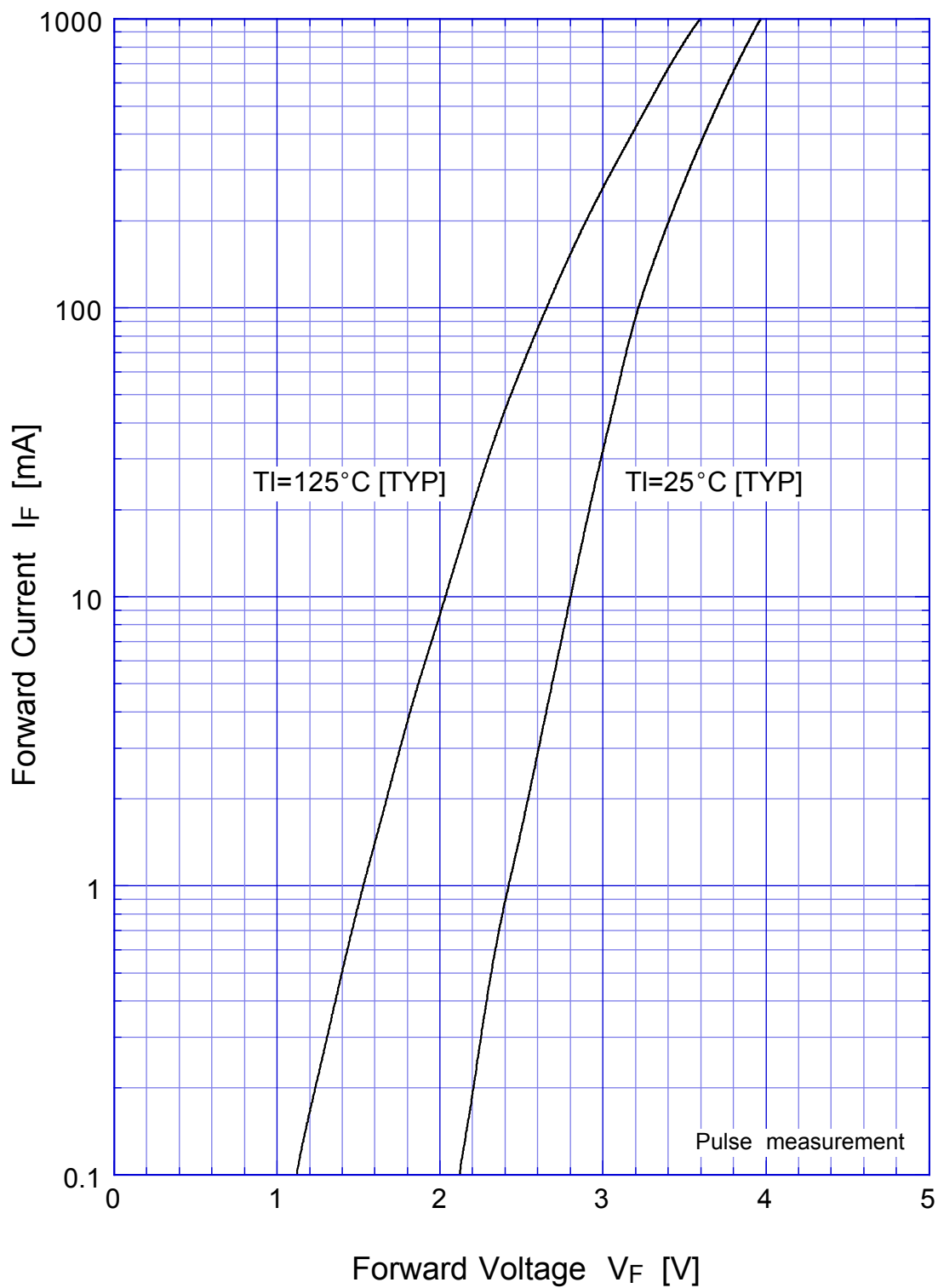
● Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T_{stg}		-30~125	°C
Junction Temperature	T_j		125	°C
Average Rectified Forward Current	I_O	$T_a = 40^\circ\text{C}$, Sine wave, R-load Commercial frequency, On glass-epoxy substrate	0.15	Arms
Peak Surge Forward Current	I_{FSM}	50Hz, Sine wave, 1 cycle, Non-repetitive, $T_l = 25^\circ\text{C}$	7.5	Arms

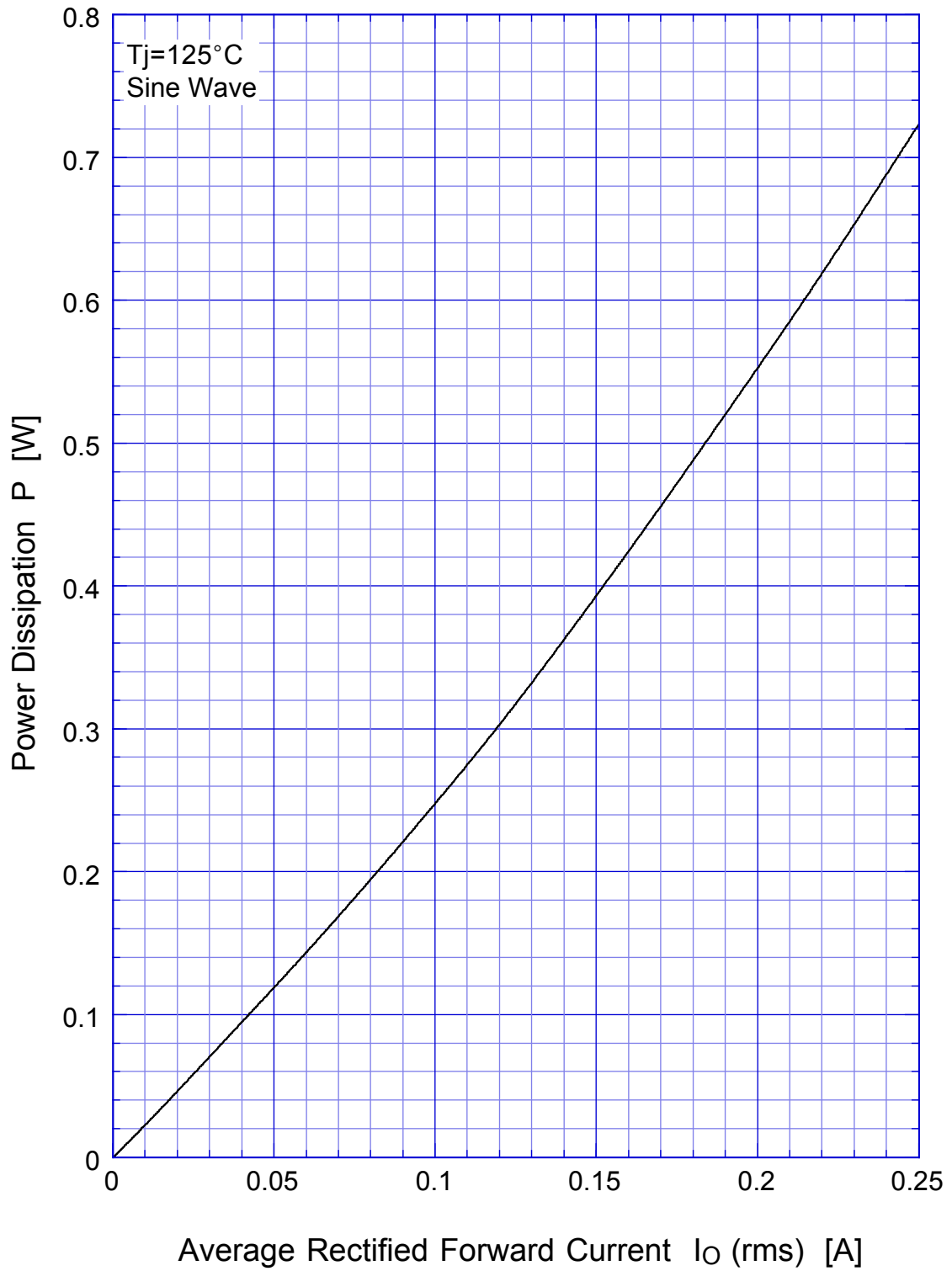
● Electrical Characteristics ($T_l=25^\circ\text{C}$)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F = 1\text{mA}$	2.05~2.55	V
		$I_F = 10\text{mA}$	2.50~3.00	
		$I_F = 70\text{mA}$	2.85~3.35	
Thermal Resistance	θ_{ja}	Junction to ambient	MAX 215	°C/W

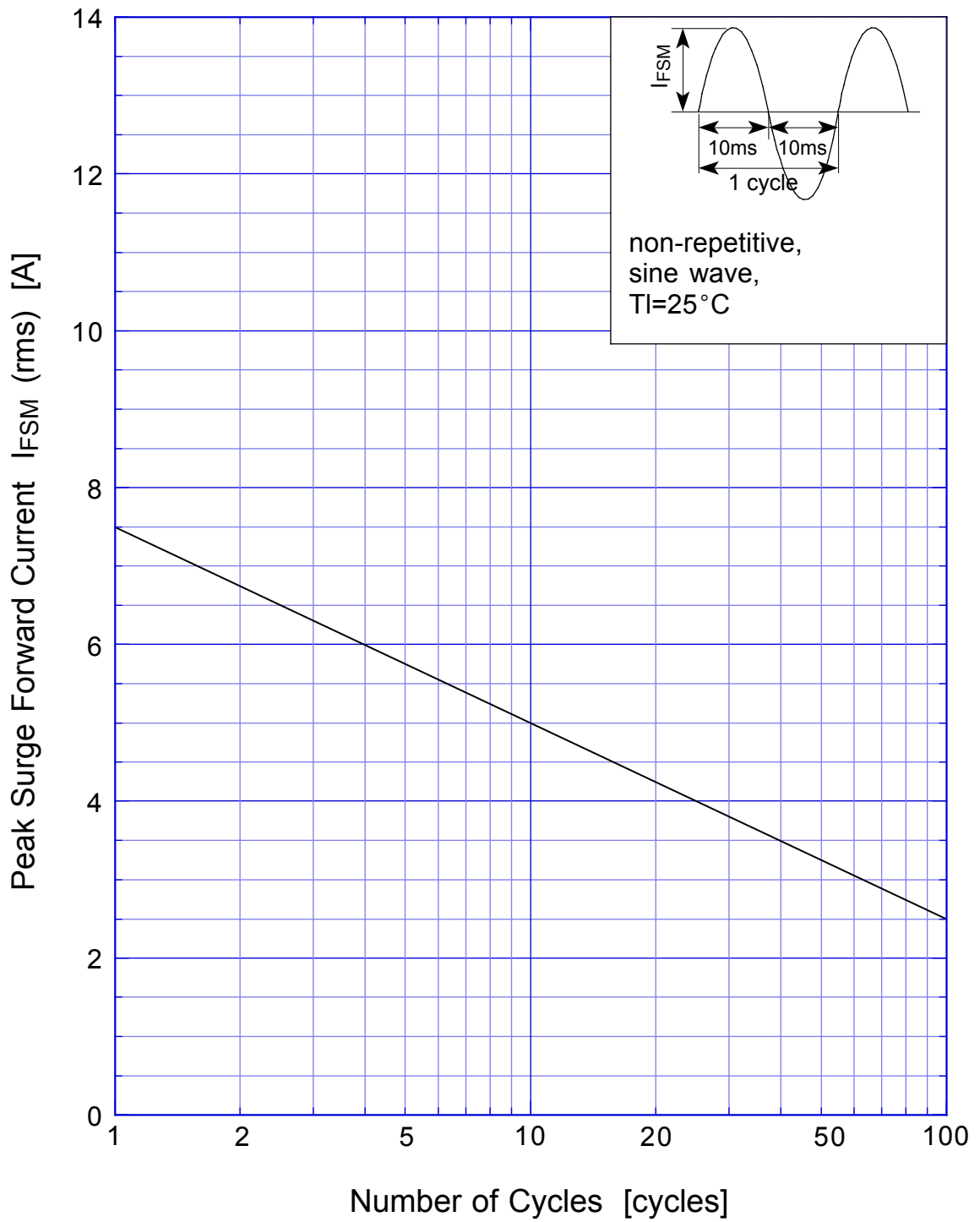
VR-61B(A) Forward Voltage



VR-61B(A) Forward Power Dissipation



VR-61B(A) Peak Surge Forward Capability



VR-61B(A)

Derating Curve

