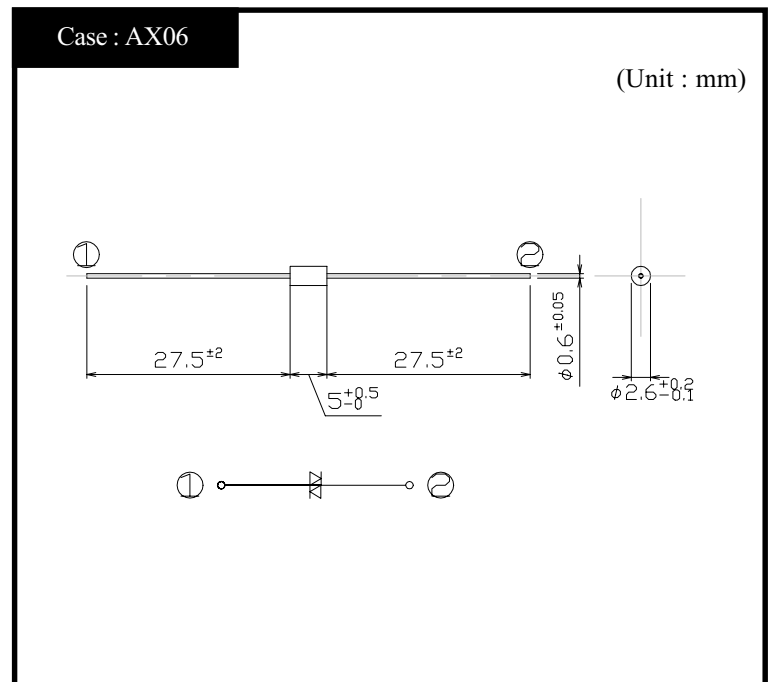


# VR51B(A)

### 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, $T_I = 25^\circ\text{C}$	7.5	Arms

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

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	$V_F$	$I_F = 1\text{mA}$	1.55~2.05	V
		$I_F = 10\text{mA}$	1.85~2.35	
		$I_F = 70\text{mA}$	2.15~2.65	
Thermal Resistance	$\theta_{ja}$	Junction to ambient	MAX 270	°C/W