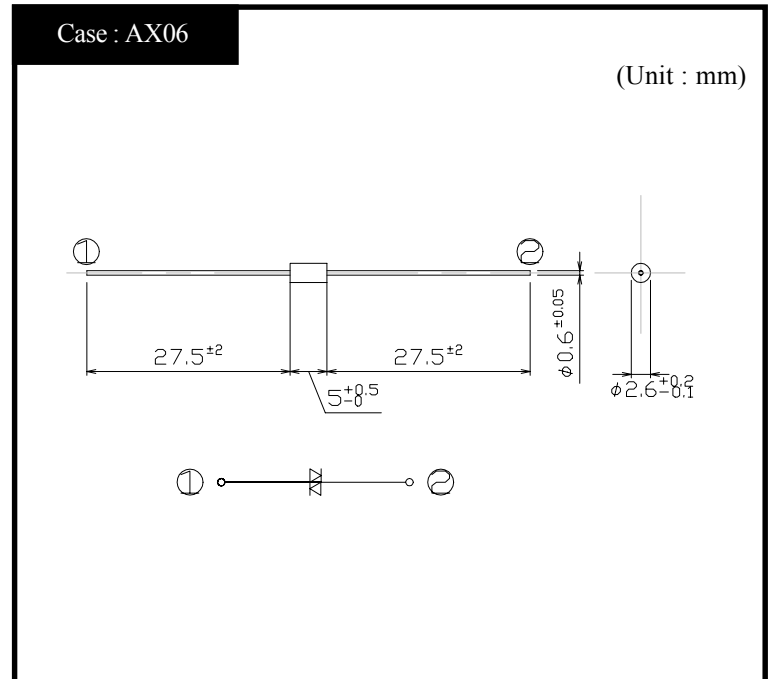


VR51B(A)

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

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

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F = 1\text{mA}$	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	θ_{ja}	Junction to ambient	MAX 270	°C/W