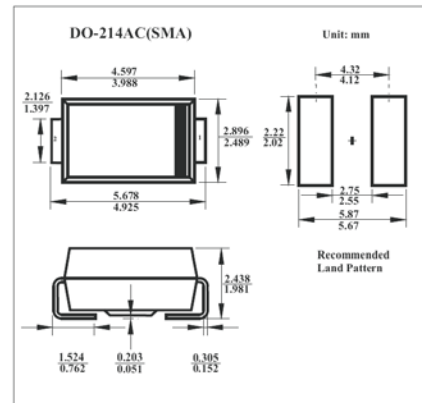


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■ Features

- High reliability with superior moisture resistance
- Applicable to Automatic Insertion



■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Peak repetitive reverse voltage	V_{RRM}	600	V
Working peak reverse voltage	V_{RWM}		
DC blocking voltage	V_R		
Average rectified output current *1	I_o	1	A
Average rectified output current *2		0.75	A
50Hz sine wave, N-on-repetitive 1 cycle peak value, $T_J=25^\circ\text{C}$	I_{FSM}	25	A
Junction temperature	T_J	150	$^\circ\text{C}$
Storage temperature	T_{STG}	-55 to 150	$^\circ\text{C}$

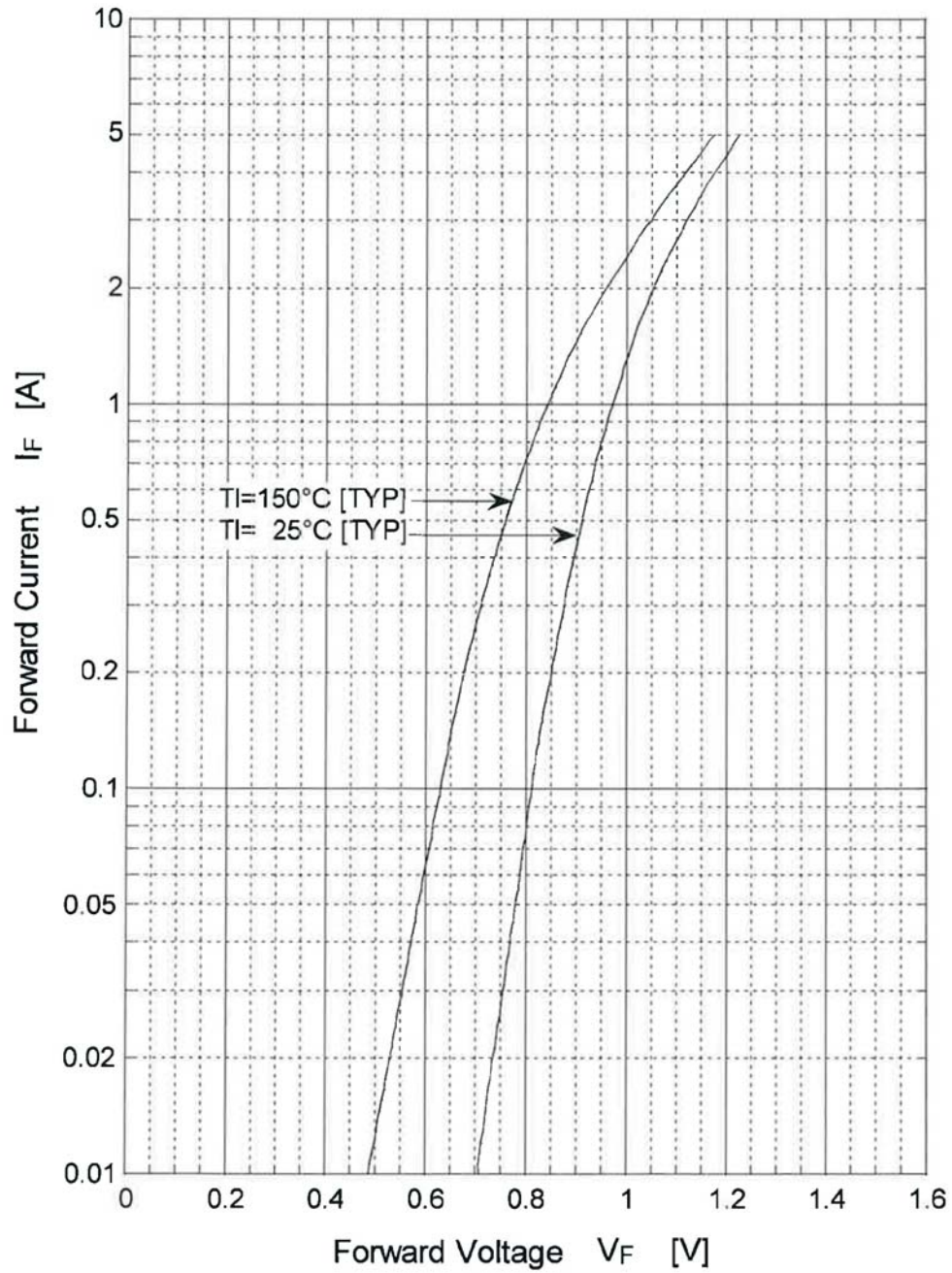
*1 50Hz sine WAVE, R-load, On alumina substrate $T_A=25^\circ\text{C}$

*2 50Hz sine WAVE, R-load, On glass-epoxy substrate $T_A=25^\circ\text{C}$

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 1\text{A}$			1.1	V
Peak reverse current	I_R	$V_R = V_{RM}$			10	μA
Thermal Resistane Junction to Lead	$R_{\theta JL}$				23	$^\circ\text{C}/\text{W}$
Thermal Resistane Junction to ambient	$R_{\theta Ja}$	On alumina substrate			108	$^\circ\text{C}/\text{W}$
		On glass-epoxy substrate			157	$^\circ\text{C}/\text{W}$

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Forward Power Dissipation

