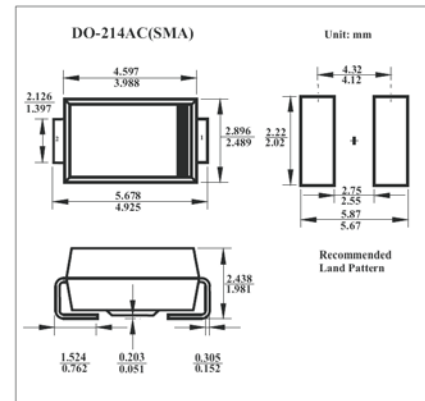


## General Purpose Rectifiers

## D1F60

## ■ 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	$^\circ\text{C}$

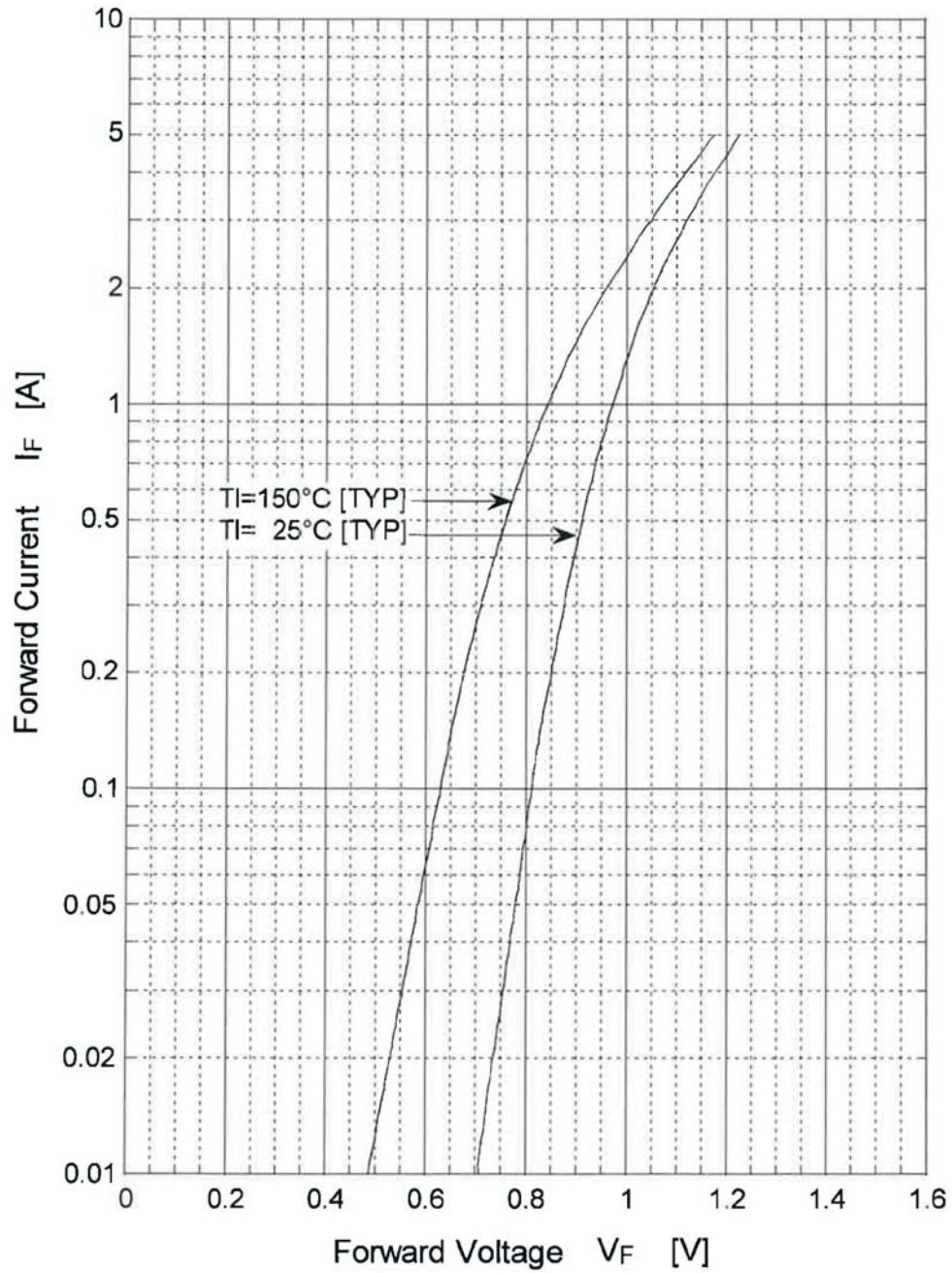
\*1 50Hz sine WAVE, R-load, On alumina substrate  $T_A = 25^\circ\text{C}$

\*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	$\mu\text{A}$
Thermal Resistance Junction to Lead	$R_{\theta JL}$				23	$^\circ\text{C}/\text{W}$
Thermal Resistance Junction to ambient	$R_{\theta Ja}$	On alumina substrate			108	$^\circ\text{C}/\text{W}$
		On glass-epoxy substrate			157	$^\circ\text{C}/\text{W}$

## D1F60



## D1F60

Forward Power Dissipation

