

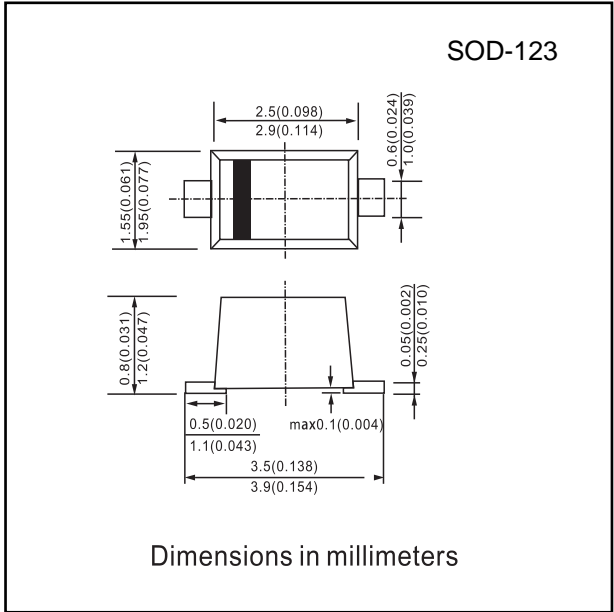


**D1F60**

600V 1A

**FEATURES**

High reliability with superior moisture resistance  
 Applicable to Automatic Insertion



**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Absolute Maximum Ratings (If not specified  $T_I=25$  )

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	$T_{stg}$		-55 ~ 150	
Operating Junction Temperature	$T_j$		150	
Maximum Reverse Voltage	$V_{RM}$		600	V
Average Rectified Forward Current	$I_o$	50Hz sine wave, R-load, On alumina substrate $T_a=25$	1	A
		50Hz sine wave, R-load, On glass-epoxy substrate $T_a=25$	0.75	
Peak Surge Forward Current	$I_{FSM}$	50Hz sine wave, Non-repetitive 1 cycle peak value, $T_j=25$	25	A

Electrical Characteristics (If not specified  $T_I=25$  )

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	$V_F$	$I_F=1A$ , Pulse measurement	Max.1.1	V
Reverse Current	$I_R$	$V_R=V_{RM}$ , Pulse measurement	Max.10	$\mu A$
Thermal Resistance	$\theta_{jl}$	junction to lead	Max.23	/W
	$\theta_{ja}$	junction to ambient, On alumina substrate	Max.108	
		junction to ambient, On glass-epoxy substrate	Max.157	

**RATINGS AND CHARACTERISTIC CURVES**

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