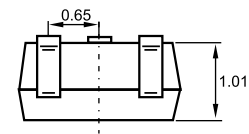
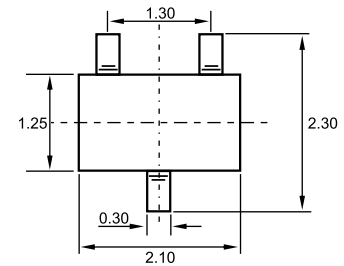


## SOT-323



Dimensions in inches and (millimeters)

## Features

- ✧ Fast switching speed.
- ✧ Small surface mounting type.
- ✧ Two diode elements are connected in series.
- ✧ Surface mount package ideally suited for automatic insertion

## Applications

- ✧ For general purpose switching application.

## Ordering Information

Type No.	Marking	Package Code
DAN217U	A7	SOT-323

## MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Non repetitive peak reverse voltage	$V_{RM}$	80	V
Repetitive peak reverse voltage	$V_{RRM}$	80	V
Working peak reverse voltage	$V_{RWM}$		
DC Reverse voltage	$V_R$		
Peak forward surge current @t=10ms	$I_{FSM}$	1	A
Forward continuous current	$I_{FM}$	300	mA
Average rectified output current	$I_O$	100	mA
Power dissipation	$P_d$	200	mW
Operating and storage temperature range	$T_j, T_{STG}$	-55-125	°C


**ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu A$	80		V
Reverse voltage leakage current	$I_R$	$V_R=70V$		0.1	$\mu A$
Forward voltage	$V_F$	$I_F=100mA$		1200	mV

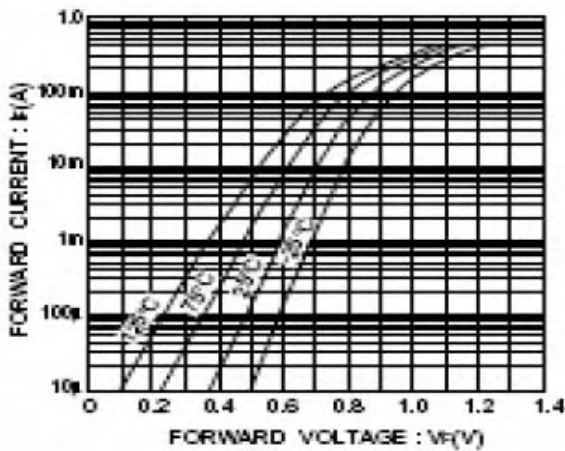
**TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**


Fig.1 Forward characteristics

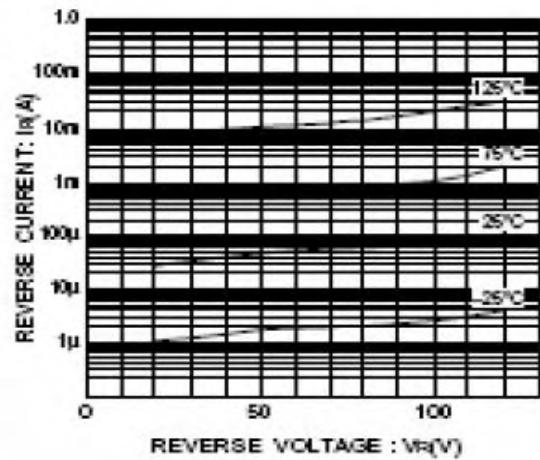


Fig.2 Reverse characteristics

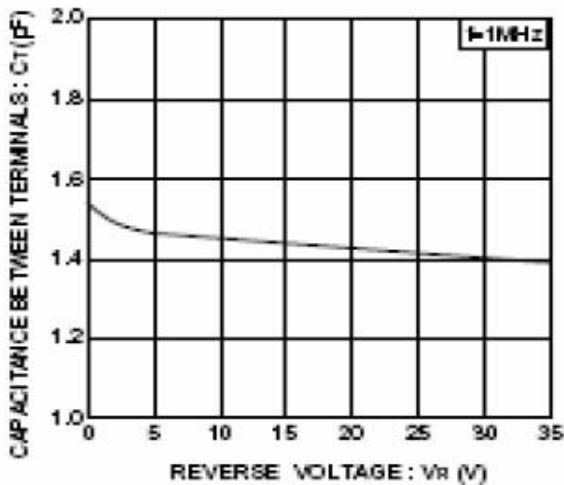


Fig.3 Capacitance between terminals characteristics