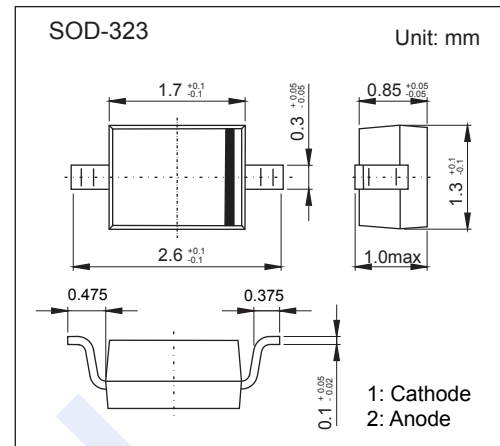


## Switching Diodes

## DA2J101

## ■ Features

- Small reverse current  $I_R$
- Short reverse recovery time  $t_{rr}$
- Contributes to miniaturization of sets, reduction of component count.

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

Parameter	Symbol	Rating	Unit
Reverse Voltage	$V_R$	80	V
Maximum Peak Reverse Voltage	$V_{RM}$	80	
Forward Current	$I_F$	100	mA
Peak Forward Surge Current	$I_{FM}$	225	
Non-Repetitive Peak Forward Surge Current	$I_{FSM}$	500	
Junction Temperature	$T_J$	150	$^\circ\text{C}$
Storage Temperature range	$T_{stg}$	-55 to 150	

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_R$	$I_R = 100 \mu\text{A}$	80			V
Forward voltage	$V_F$	$I_F = 100 \text{mA}$			1.2	
Reverse voltage leakage current	$I_R$	$V_R = 80 \text{V}$			100	nA
Junction capacitance	$C_j$	$V_R = 0 \text{V}$ , $f = 1 \text{MHz}$			1.2	pF
Reverse recovery time	$t_{rr}$	$I_F = 10 \text{mA}$ , $I_{rr} = 0.1 I_R$ , $V_R = 6 \text{V}$			3	ns

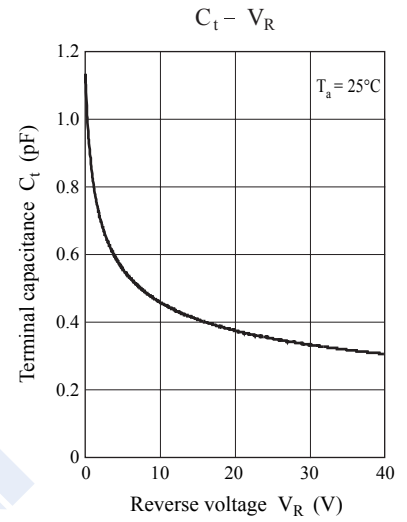
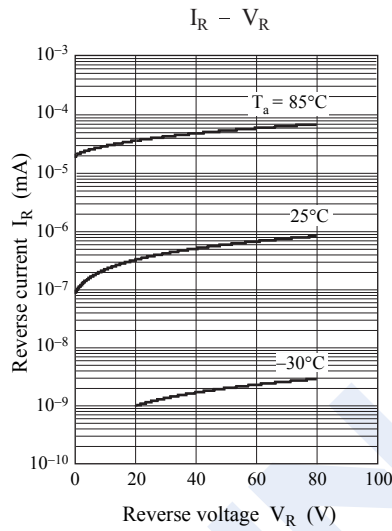
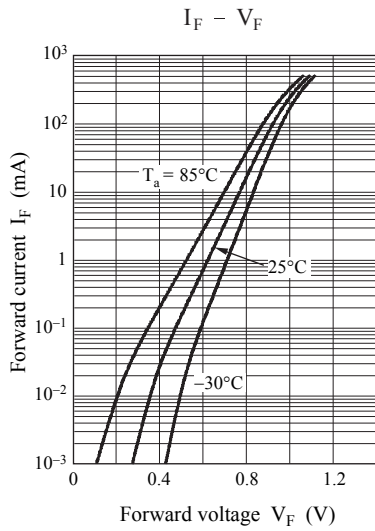
## ■ Marking

Marking	A1
---------	----

## Switching Diodes

### DA2J101

#### ■ Typical Characteristics



#### $t_{rr}$ measurement circuit

