



DCJ010

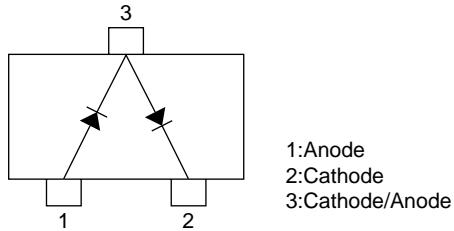
Silicon Epitaxial Planar Type Diode

## High-Speed Switching Diode

## Features

- Rectifier applications.
- Ideally suited for use in hybrid ICs because of ultrasmall-sized package.
- Small interterminal capacitance.

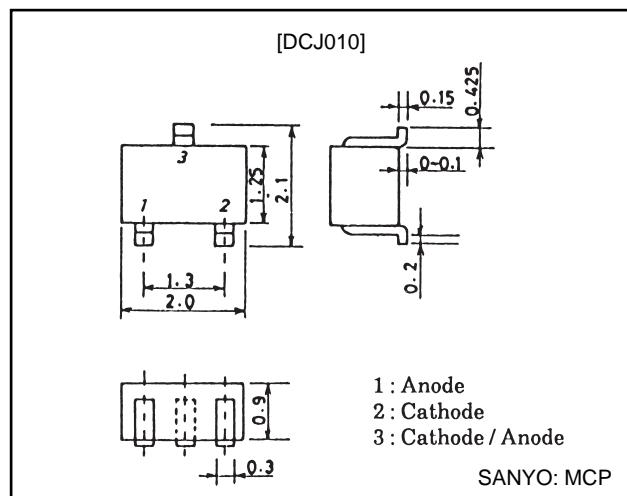
## Electrical Connection



## Package Dimensions

unit: mm

1246A

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

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	$V_{RM}$		20	V
Reverse Voltage	$V_R$		20	V
Peak Forward Current	$I_{FM}$		200	mA
Average Rectified Current	$I_o$		100	mA
Surge Current	$I_{FSM}$	(1 $\mu\text{s}$ )	300	mA
Allowable Power Dissipation	$P$	(Total)	100	mW
Junction Temperature	$T_j$		125	$^\circ\text{C}$
Storage Temperature	$T_{stg}$		-55 to +125	$^\circ\text{C}$

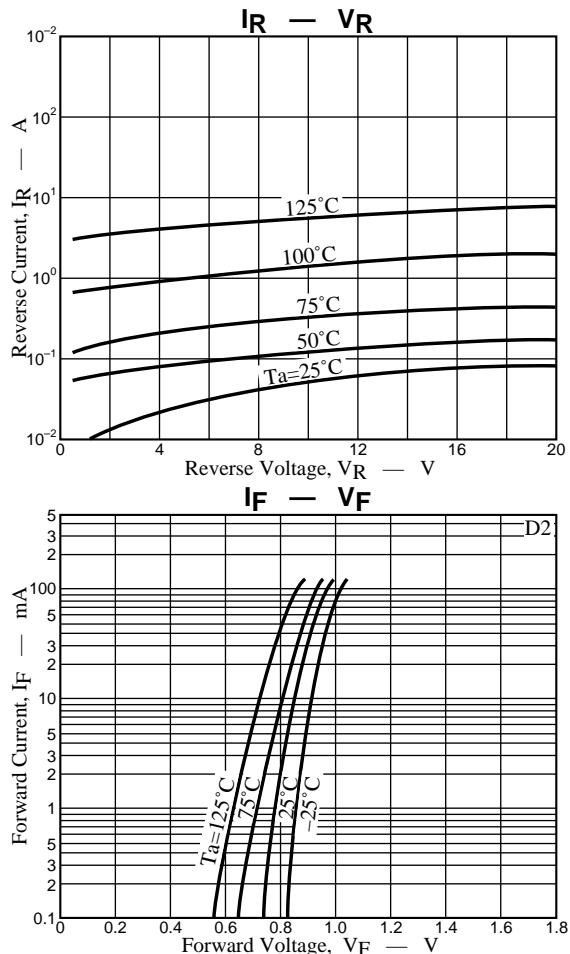
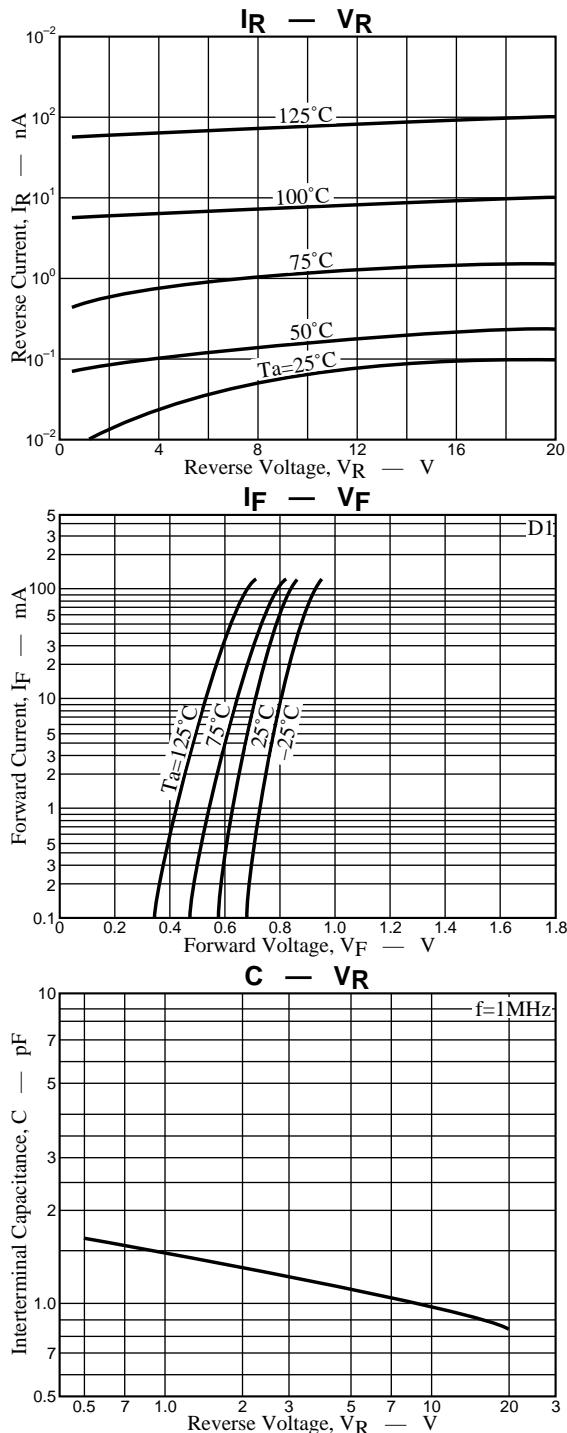
Electrical Characteristics  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	$V_F$	$I_F=10 \text{ mA}$			1.0	V
Reverse Current	$I_R$	$V_R=15 \text{ V}$			0.1	$\mu\text{A}$
Interterminal Capacitance	C	$V_R=6 \text{ V}, f=1 \text{ MHz}$			4.0	pF

SANYO Electric Co.,Ltd. Semiconductor Bussiness Headquarters

TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110 JAPAN

63097GI(KOTO) No.5474-1/2



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