



# DCJ010

Silicon Epitaxial Planar Type Diode

## High-Speed Switching Diode

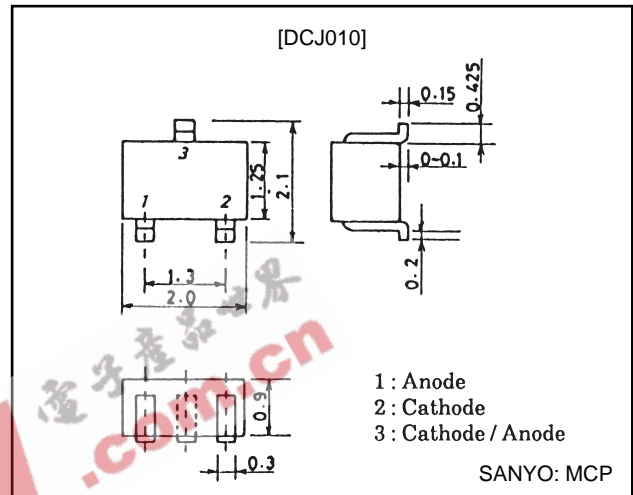
### Features

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

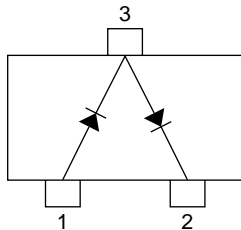
### Package Dimensions

unit: mm

1246A



### Electrical Connection



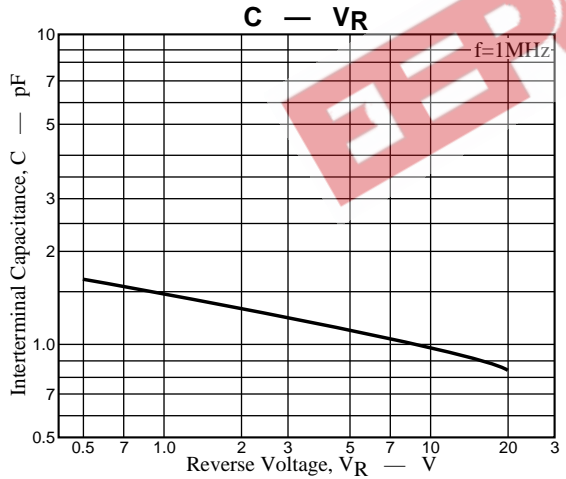
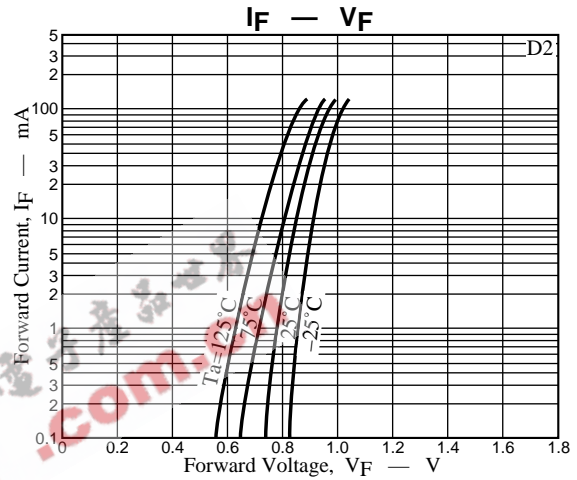
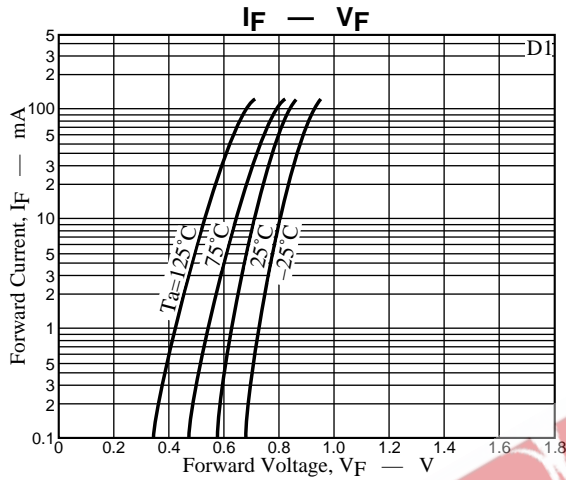
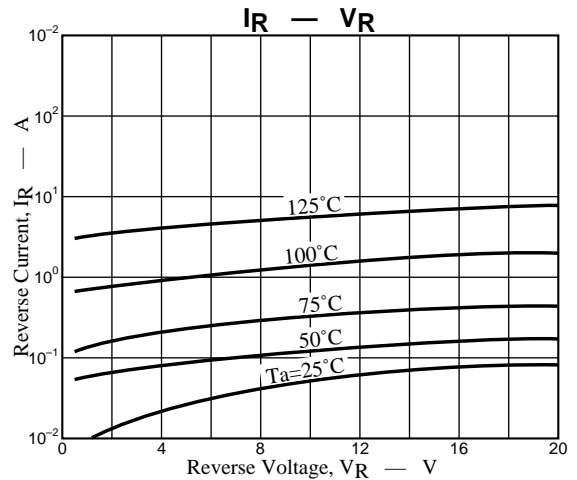
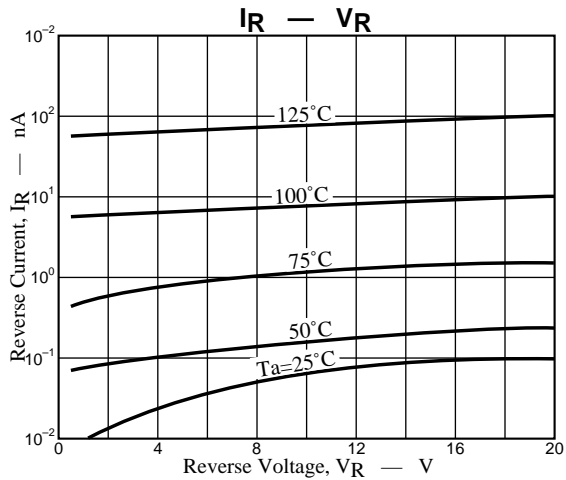
1: Anode  
2: Cathode  
3: Cathode/Anode

### Absolute Maximum Ratings at Ta = 25 °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 $\mu$ s)	300	mA
Allowable Power Dissipation	P	(Total)	100	mW
Junction Temperature	$T_j$		125	°C
Storage Temperature	$T_{stg}$		-55 to +125	°C

### Electrical Characteristics Ta = 25 °C

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



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