

**DCJ010** 

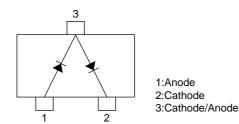
Silicon Epitaxial Planar Type Diode

# **High-Speed Switching Diode**

#### **Features**

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

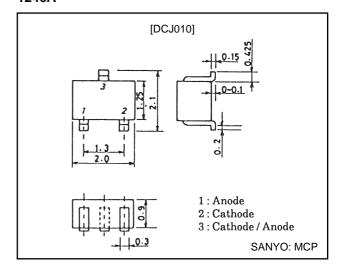
## **Electrical Connection**



## **Package Dimensions**

unit: mm

### 1246A

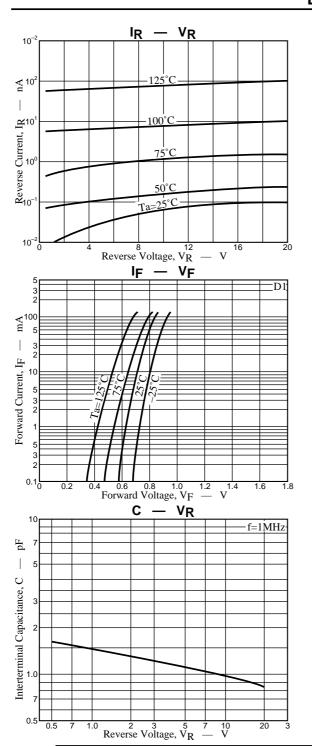


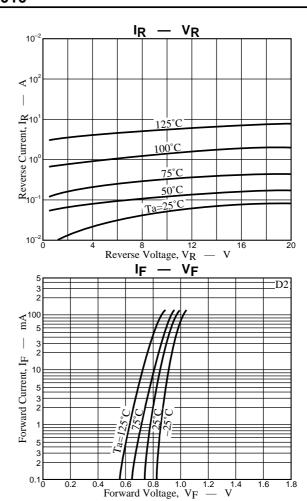
## Absolute Maximum Ratings at Ta = 25 °C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	$V_{RM}$		20	V
Reverse Voltage	V <sub>R</sub>		20	V
Peak Forward Current	I <sub>FM</sub>		200	mA
Average Rectified Current	lo		100	mA
Surge Current	I <sub>FSM</sub>	(1 μs)	300	mA
Allowable Power Dissipation	Р	(Total)	100	mW
Junction Temperature	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

### Electrical Characteristics Ta = 25 °C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Offic
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =10 mA			1.0	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =15 V			0.1	μΑ
Interterminal Capacitance	С	V <sub>R</sub> =6 V, f=1 MHz			4.0	pF





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