



**THE DATASHEET OF
DCJ010-TL-E**





DCJ010

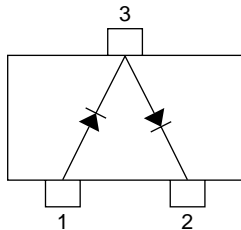
Silicon Epitaxial Planar Type Diode

High-Speed Switching Diode

Features

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

Electrical Connection

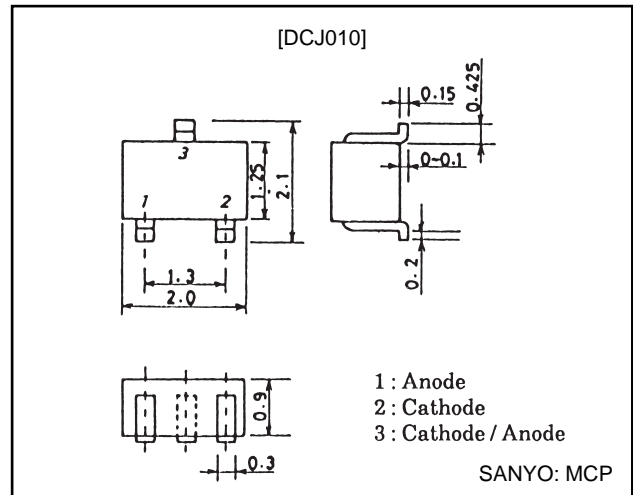


1: Anode
2: Cathode
3: Cathode/Anode

Package Dimensions

unit: mm

1246A

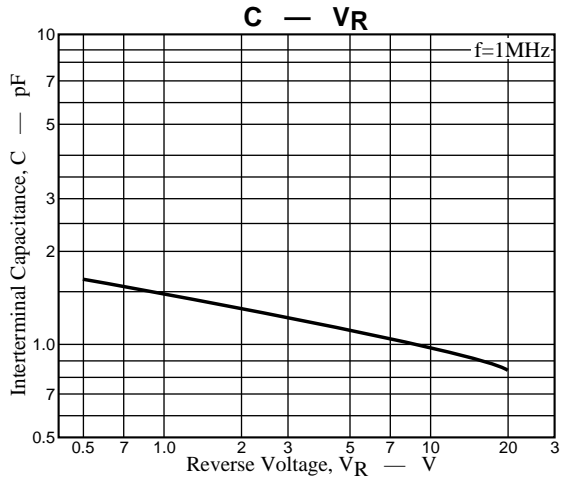
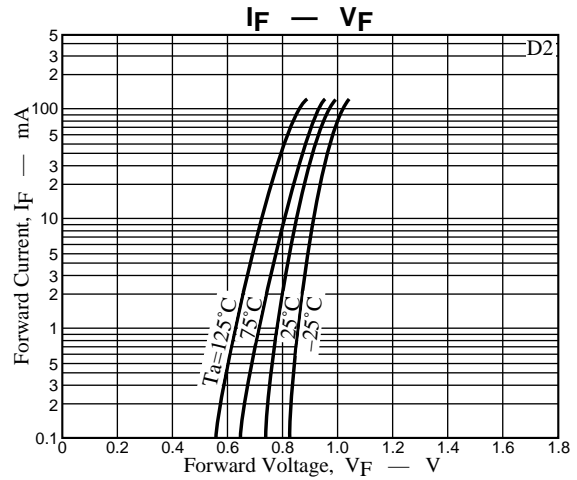
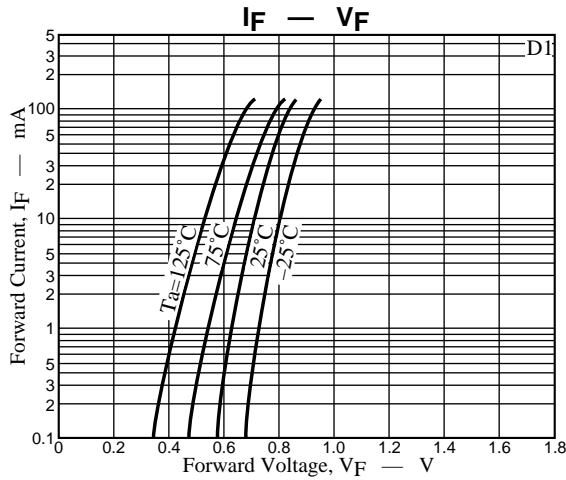
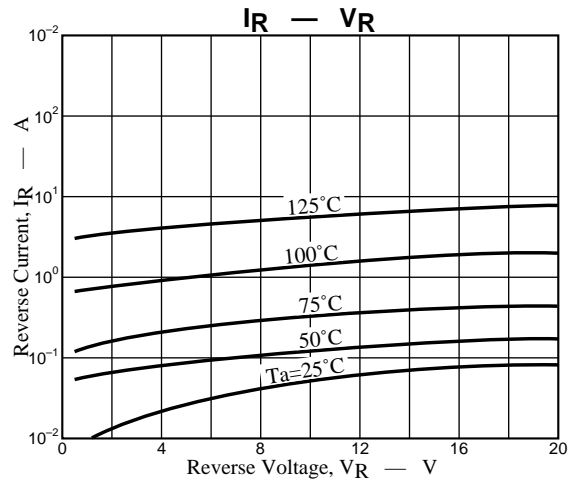
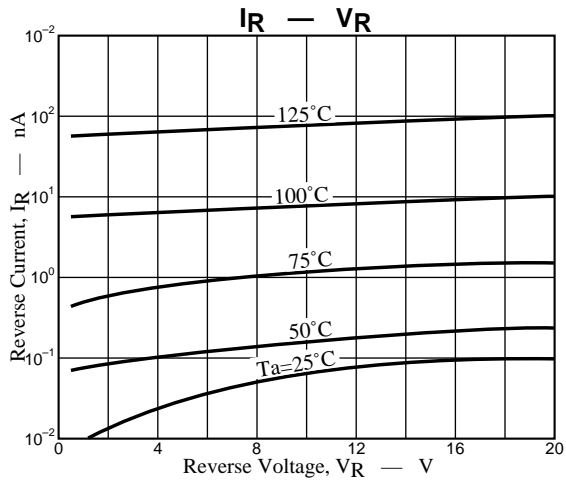


Absolute Maximum Ratings at Ta = 25 °C

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		20	V
Reverse Voltage	V_R		20	V
Peak Forward Current	I_{FM}		200	mA
Average Rectified Current	I_o		100	mA
Surge Current	I_{FSM}	(1 μ 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	μ A
Interterminal Capacitance	C	$V_R=6$ V, f=1 MHz			4.0	pF



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