



# DCJ010

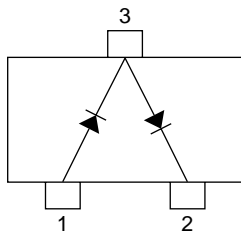
Silicon Epitaxial Planar Type Diode

## High-Speed Switching Diode

### Features

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

### Electrical Connection

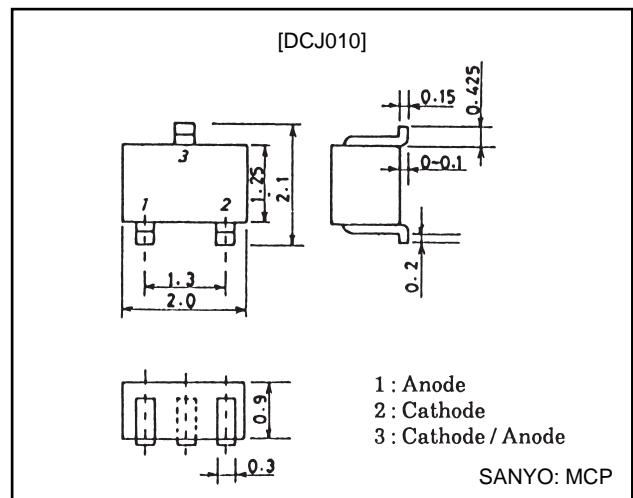


1:Anode  
2:Cathode  
3:Cathode/Anode

### Package Dimensions

unit: mm

1246A

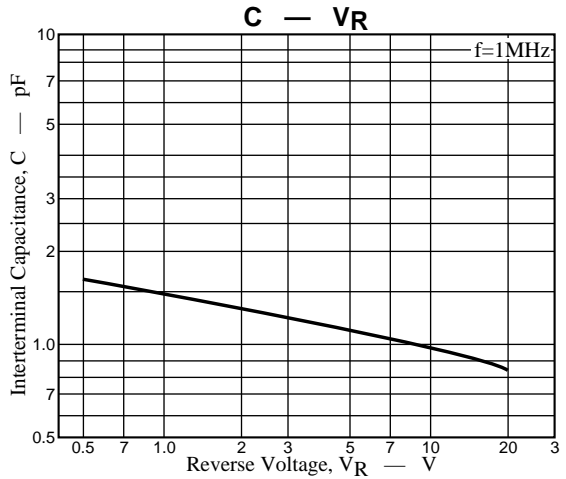
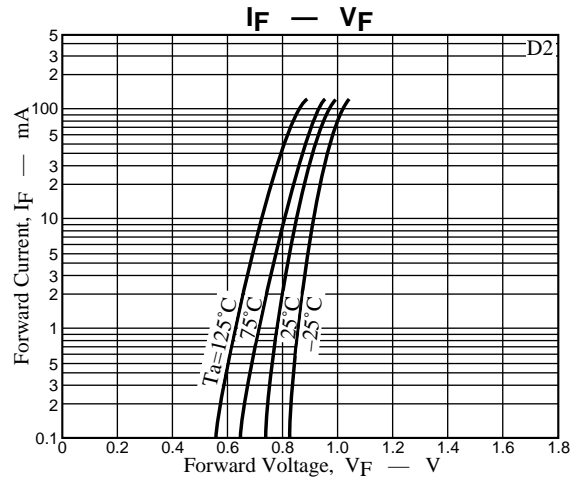
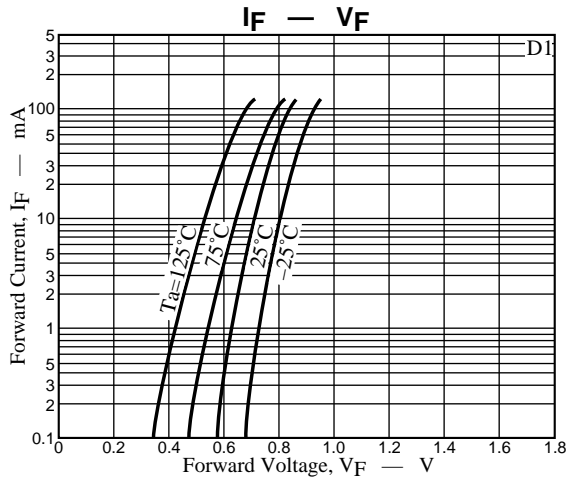
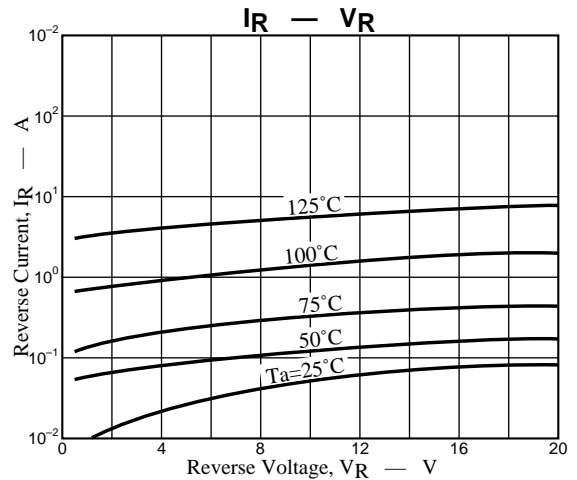
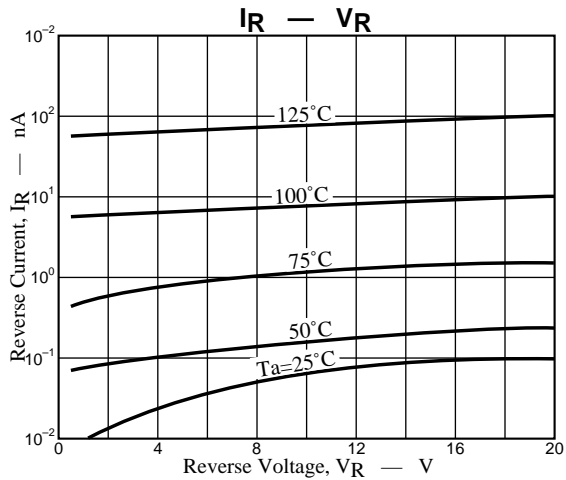


### Absolute Maximum Ratings at Ta = 25 °C

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 $\mu$ 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



■ No products described or contained herein are intended for use in surgical implants, life-support systems, aerospace equipment, nuclear power control systems, vehicles, disaster/crime-prevention equipment and the like, the failure of which may directly or indirectly cause injury, death or property loss.

■ Anyone purchasing any products described or contained herein for an above-mentioned use shall:

- ① Accept full responsibility and indemnify and defend SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors and all their officers and employees, jointly and severally, against any and all claims and litigation and all damages, cost and expenses associated with such use:
- ② Not impose any responsibility for any fault or negligence which may be cited in any such claim or litigation on SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors or any of their officers and employees jointly or severally.

■ Information (including circuit diagrams and circuit parameters) herein is for example only; it is not guaranteed for volume production. SANYO believes information herein is accurate and reliable, but no guarantees are made or implied regarding its use or any infringements of intellectual property rights or other rights of third parties.

This catalog provides information as of May, 1997. Specifications and information herein are subject to change without notice.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for* [Diodes - General Purpose, Power, Switching category:](#)

*Click to view products by* [ON Semiconductor manufacturer:](#)

Other Similar products are found below :

[RD0306T-H](#) [BAQ33-GS18](#) [BAV17-TR](#) [BAV19-TR](#) [1N3611](#) [NTE156A](#) [NTE525](#) [NTE571](#) [NTE574](#) [NTE5804](#) [NTE5806](#) [NTE6244](#)  
[1SS181-TP](#) [1SS193,LF](#) [1SS400CST2RA](#) [SDAA13](#) [SHN2D02FUTW1T1G](#) [LS4151GS08](#) [1N4449](#) [1N456A](#) [1N4934-E3/73](#) [1N914B](#)  
[1N914BTR](#) [RFUH20TB3S](#) [BAS 28 E6327](#) [BAV199-TP](#) [BAW56DWQ-7-F](#) [BAW75-TAP](#) [MM230L-CAA](#) [IDW40E65D1](#) [JAN1N3600](#)  
[LL4151-GS18](#) [053684A](#) [SMMSD4148T3G](#) [707803H](#) [NSVDAN222T1G](#) [SP000010217](#) [ACDSW4448-HF](#) [CDSZC01100-HF](#)  
[BAV199E6433HTMA1](#) [BAV70M3T5G](#) [SMBT2001T1G](#) [NTE5801](#) [NTE5800](#) [NTE5808](#) [NTE6240](#) [NTE6248](#) [DLM10C-AT1](#) [BAS28-7](#)  
[BAW56HDW-13](#)