

**DCE015**

Silicon Epitaxial Planar Type

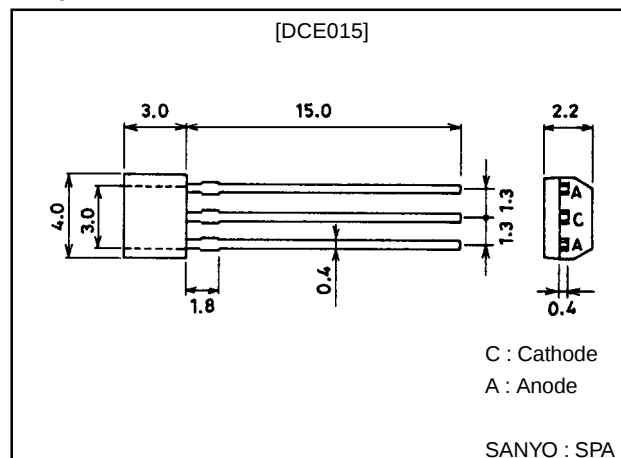
High-Speed Switching Diode**Features**

- Fast switching speed.
- 2 diodes place in one package.

Package Dimensions

unit:mm

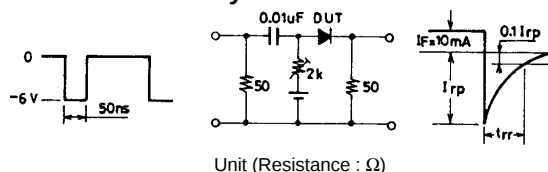
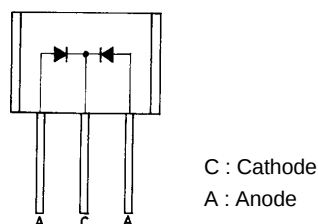
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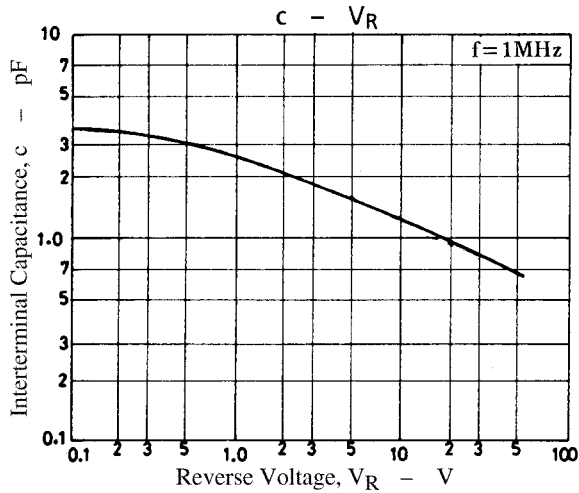
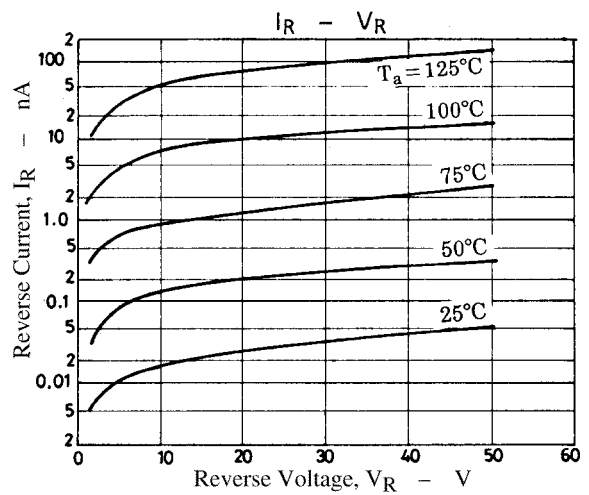
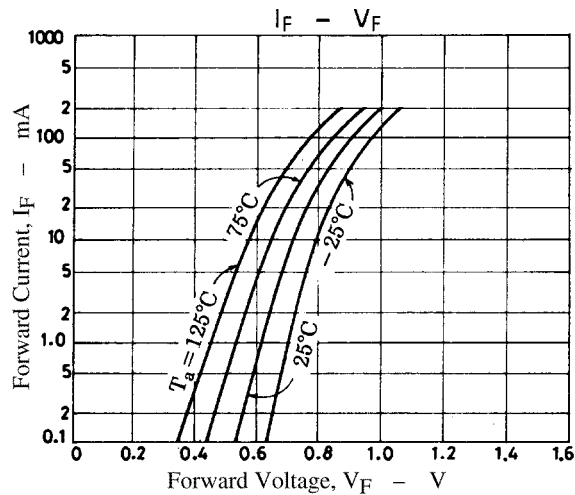
**Specifications****Absolute Maximum Ratings at Ta = 25°C**

Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		75	V
Reverse Voltage	V_R		50	V
Surge Current	I_{FSM}	1 μ s	4	A
Average Rectified Current	I_O		100	mA
		Total Value	150	mA
Peak Forward Current	I_{FM}		300	mA
		Total Value	450	mA
Junction Temperature	T_j		125	°C
Storage Temperature	T_{stg}		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=10\text{mA}$		0.75	1.0	V
		$I_F=50\text{mA}$		0.85	1.0	V
		$I_F=100\text{mA}$			1.2	V
Reverse Current	I_R	$V_R=50\text{V}$			100	nA
Interterminal Capacitance	C	$V_R=0\text{V}$, $f=1\text{MHz}$			7	pF
Reverse Recovery Time	t_{rr}	$I_F=10\text{mA}$, $V_R=6\text{V}$, $R_L=50\Omega$, $I_{rr}=0.1I_{rp}$			12	ns

Reverse Recovery Time Test Circuit**Electrical Connection**



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- 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.

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