

**DSD015**

Silicon Epitaxial Planar Type

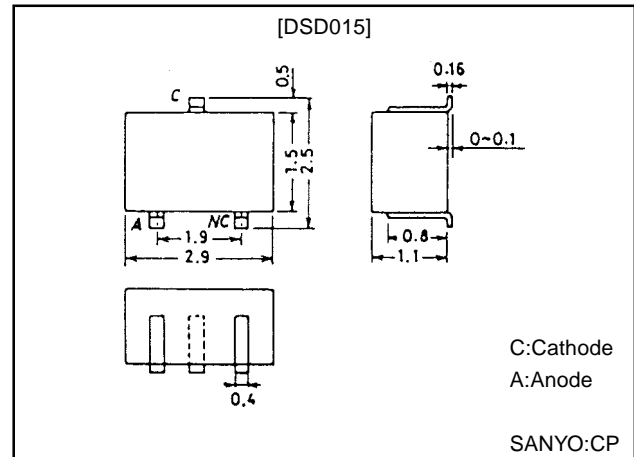
High-Voltage Switching Diode**Features**

- Ideally suited for use in hybrid ICs because of very compact package.
- High breakdown voltage.

Package Dimensions

unit:mm

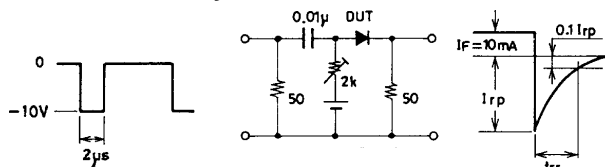
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**Specifications****Absolute Maximum Ratings at Ta = 25°C**

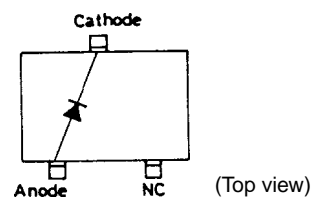
Parameter	Symbol	Conditions	Ratings	Unit
Peak Reverse Voltage	V_{RM}		350	V
Reverse Voltage	V_R		300	V
Surge Current	I_{FSM}	1 μ s	3	A
Average Rectified Current	I_O		150	mA
Peak Forward Current	I_{FM}		400	mA
Allowable Power Dissipation	P		200	mW
Junction Temperature	T_J		125	°C
Storage Temperature	T_{stg}		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

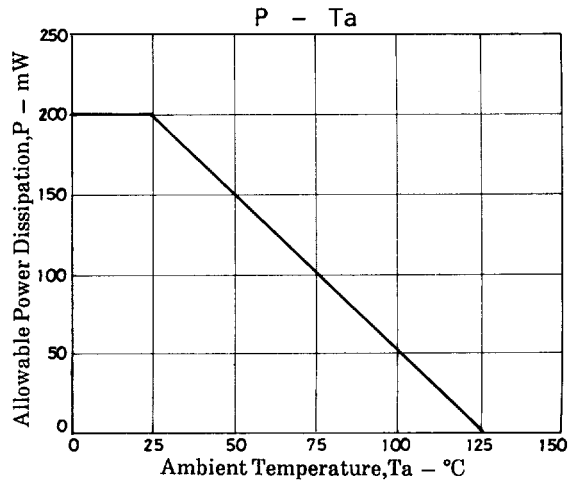
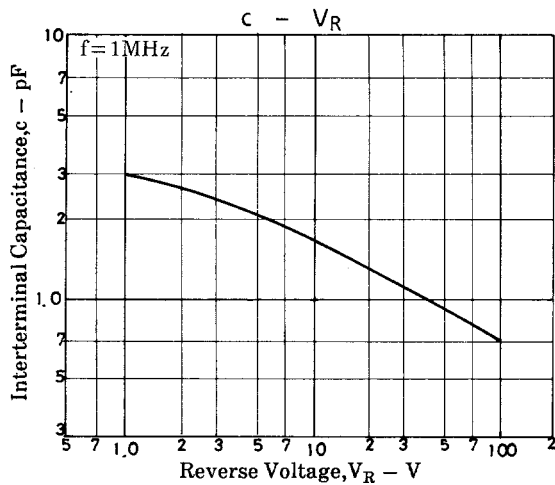
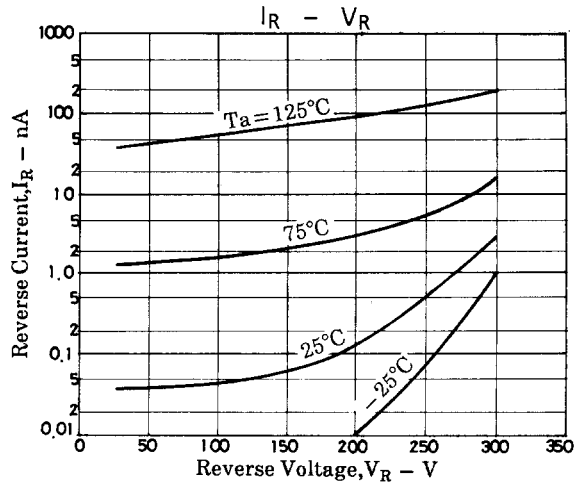
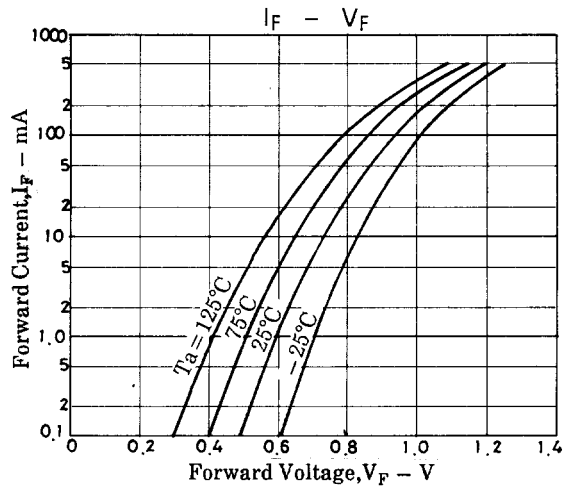
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=100$ mA			1.0	V
Reverse Current	I_R	$V_R=300$ V			0.5	μ A
Interterminal Capacitance	C	$V_R=0$ V, $f=1$ MHz		4		pF
Reverse Recovery Time	t_{rr}	$I_F=10$ mA, $V_R=10$ V, $R_L=50\Omega$, $I_{rr}=0.1I_{rp}$		30	200	ns

Reverse Recovery Time Test Circuit

Unit (resistance:Ω, capacitance:F)

Electrical Connection

DSD015



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