

SANYO**DSD015**

Silicon Epitaxial Planar Type

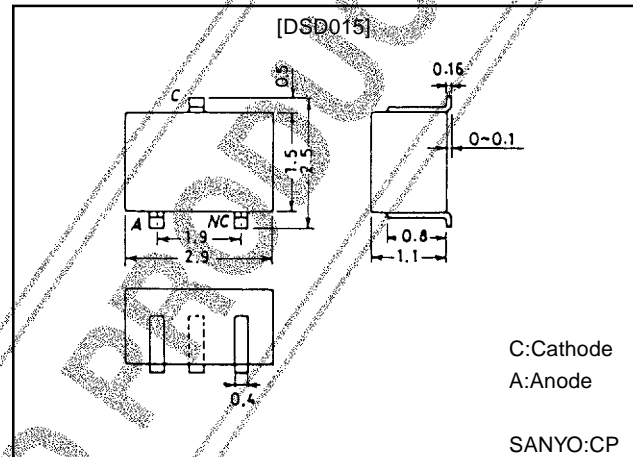
High-Voltage Switching Diode**Features**

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

Package Dimensions

unit:mm

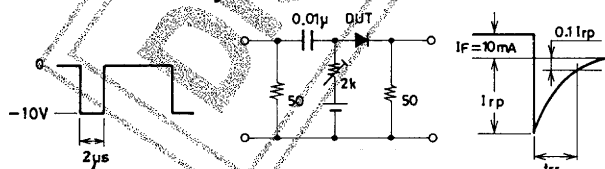
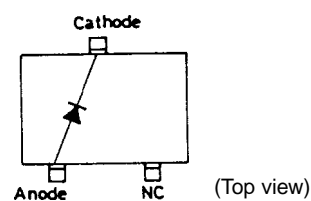
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**Specifications****Absolute Maximum Ratings at Ta = 25°C**

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	Tj		125	°C
Storage Temperature	Tstg		-55 to +125	°C

Electrical Characteristics at Ta = 25°C

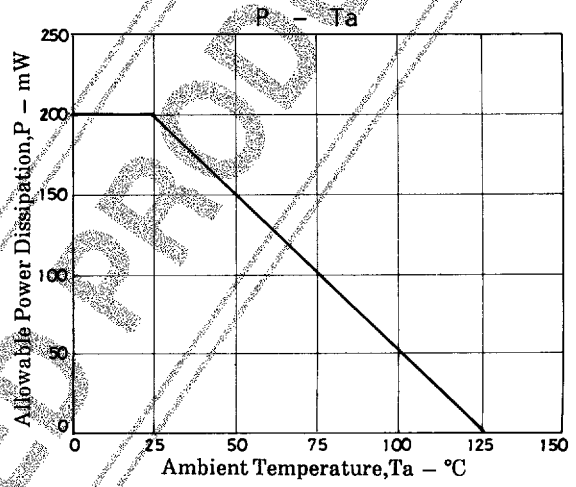
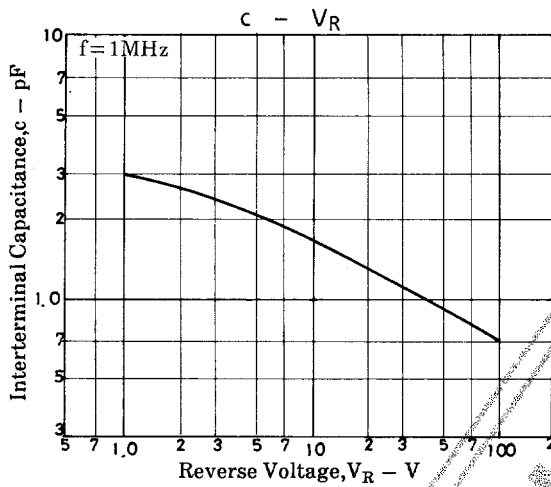
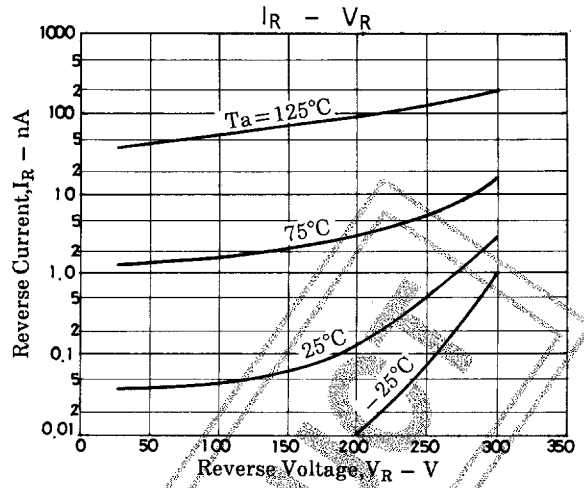
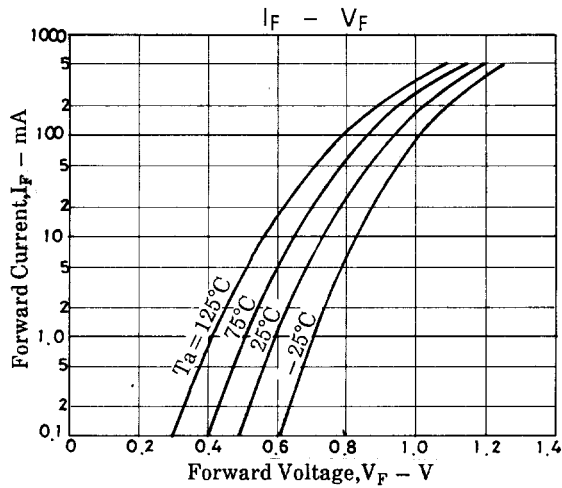
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Voltage	V_F	$I_F=100$ mA			1.0	V
Reverse Current	I_R	$V_R=300$ V			0.5	μ A
Interterminal Capacitance	C	$V_R=0$ V, f=1MHz		4		pF
Reverse Recovery Time	t_{rr}	$I_F=10$ mA, $V_R=10$ V, $R_L=50$ Ω , $I_{rr}=0.1I_{rp}$		30	200	ns

Reverse Recovery Time Test CircuitUnit (resistance: Ω , capacitance:F)**Electrical Connection****SANYO Electric Co.,Ltd. Semiconductor Business Headquarters**

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53098HA (KT)/2150MO, TS No.3333-1/2

DSD015



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