

<b>SANYO</b>	No.3408	<b>DSC015</b>
		Silicon Epitaxial Planar Type
High-Voltage Switching Diode		

**Features**

- Ideally suited for use in hybrid ICs because of small-sized package.
- High breakdown voltage.

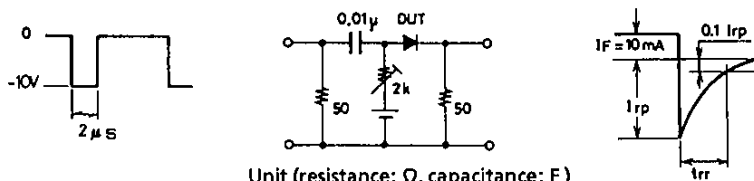
**Absolute Maximum Ratings at Ta = 25°C**

			unit
Peak Reverse Voltage	$V_{RM}$	250	V
Reverse Voltage	$V_R$	200	V
Surge Forward Current (1 $\mu$ sec)	$I_{FSM}$	3	A
Average Rectified Current	$I_o$	150	mA
Peak Forward Current	$I_{FM}$	400	mA
Allowable Power Dissipation	$P_d \text{ max}$	200	mW
Junction Temperature	$T_j$	125	°C
Storage Temperature	$T_{stg}$	-55 to +125	°C

**Electrical Characteristics at Ta = 25°C**

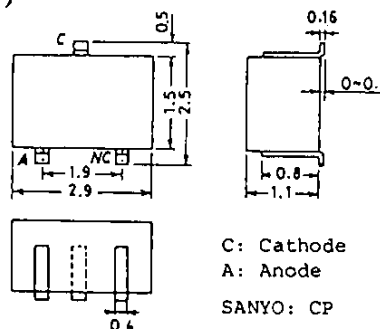
			min	typ	max	unit
Forward Voltage	$V_F$	$I_F = 100\text{mA}$			1.0	V
Reverse Current	$I_R$	$V_R = 200\text{V}$			0.5	$\mu\text{A}$
Interterminal Capacitance	$c$	$V_R = 0\text{V}, f = 1\text{MHz}$		4		pF
Reverse Recovery Time	$t_{rr}$	$I_F = 10\text{mA}, V_R = 10\text{V}, R_L = 50\Omega, I_{rr} = 0.1I_{rp}$		30	200	ns

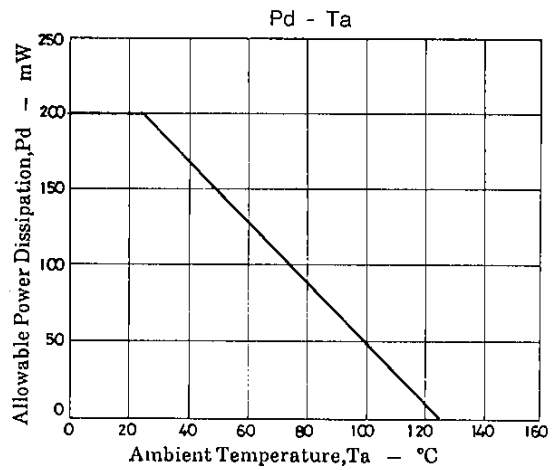
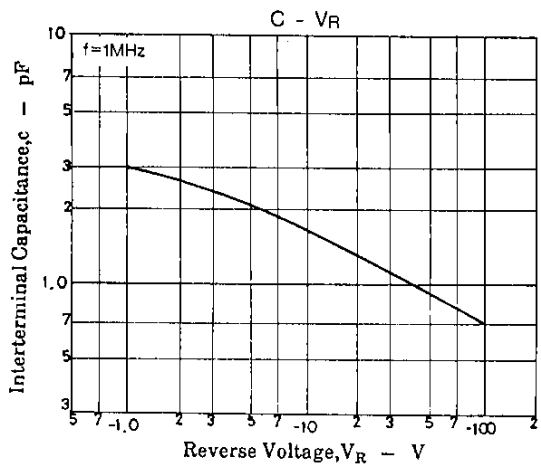
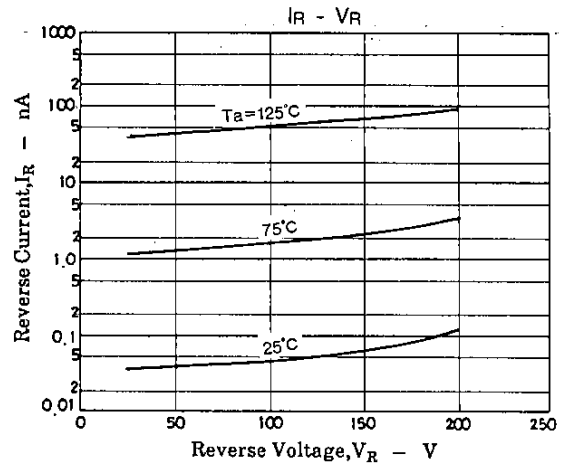
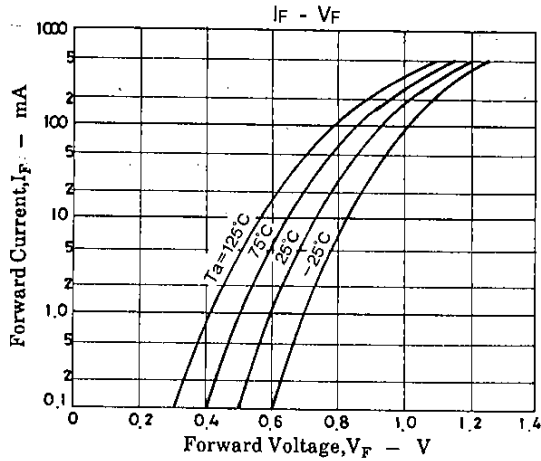
**Reverse Recovery Time Test Circuit**



Unit (resistance:  $\Omega$ , capacitance: F)

**Package Dimensions 1148 (unit: mm)**





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