

SANYO	No.3333	DSD015
		Silicon Epitaxial Planar Type High-Voltage Switching Diode

Features

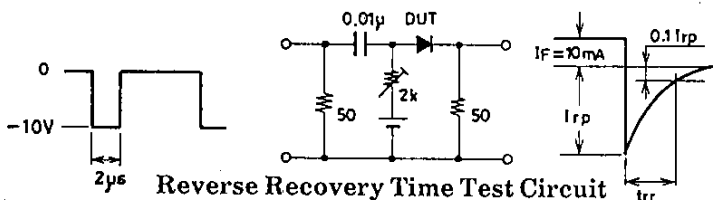
- Ideally suited for use in hybrid ICs because of very compact package
- High breakdown voltage

Absolute Maximum Ratings at Ta = 25°C

			unit
Peak Reverse Voltage	V_{RM}	-350	V
Reverse Voltage	V_R	-300	V
Surge Current	I_{FSM} (1 μ sec)	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

			min	typ	max	unit
Forward Voltage	V_F	$I_F = 100\text{mA}$			1.0	V
Reverse Current	I_R	$V_R = -300\text{V}$			-0.5	μA
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

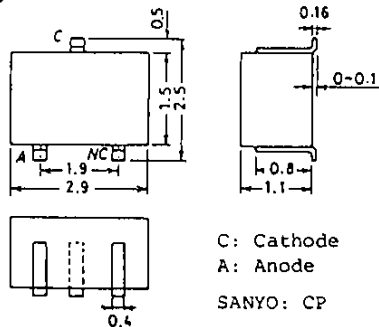
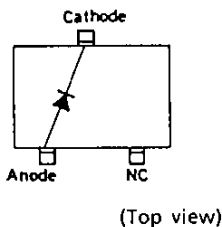


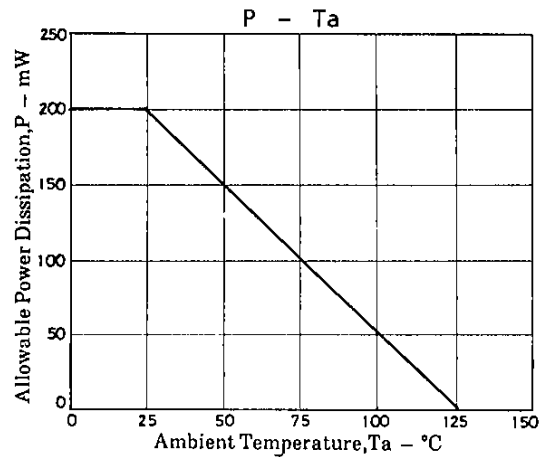
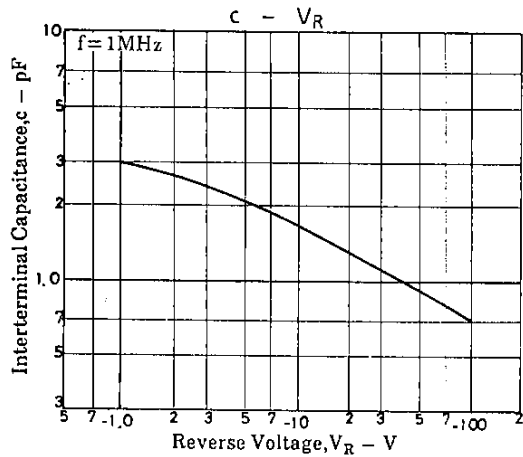
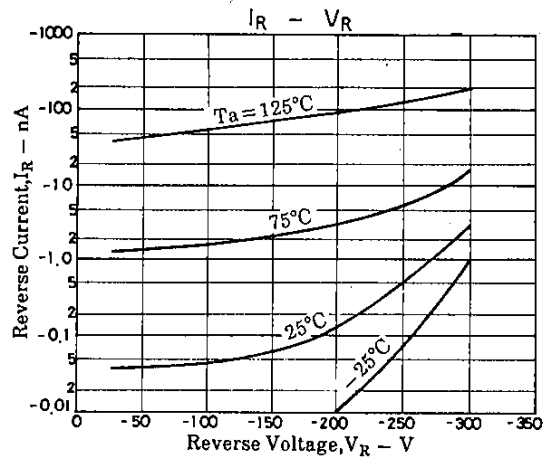
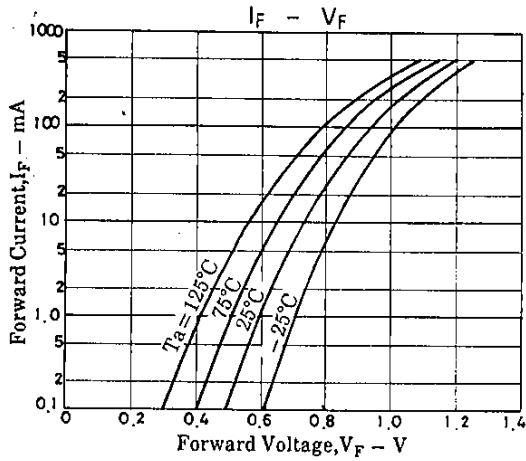
Unit (resistance: Ω , capacitance: F)

Package Dimensions 1148

(unit: mm)

Electrical Connection





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