	No.1215C	<b>DSA015</b>
		Silicon Epitaxial Planar Type

**High-Speed Switching Diode**

### Features

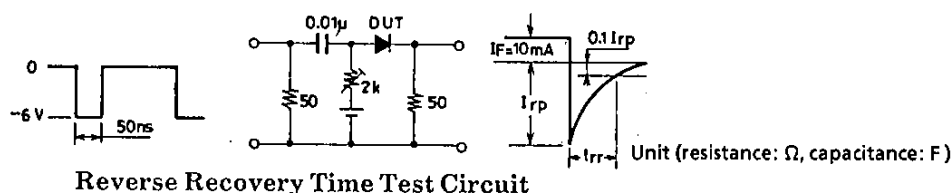
- Ideally suited for use in hybrid ICs because of very small-sized package
- Fast switching speed

### Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

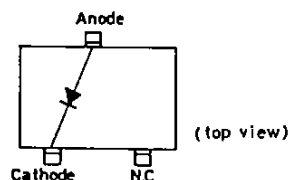
			unit
Peak Reverse Voltage	$V_{RM}$	-75	V
Reverse Voltage	$V_R$	-50	V
Surge Current	$I_{FSM}$ (1 $\mu$ s )	4	A
Average Rectified Current	$I_O$	150	mA
Peak Forward Current	$I_{FM}$	300	mA
Junction Temperature	$T_J$	125	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55 to +125	$^\circ\text{C}$

### Electrical Characteristics at $T_a = 25^\circ\text{C}$

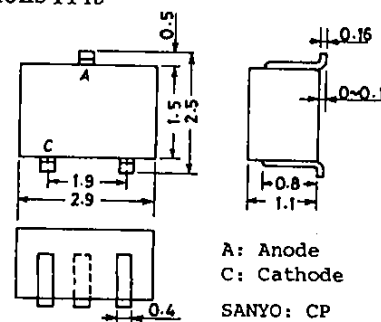
			min	typ	max	unit
Forward Voltage	$V_F$	$I_F = 10\text{mA}$		0.75	1.0	V
		$I_F = 50\text{mA}$		0.85	1.0	V
		$I_F = 100\text{mA}$			1.2	V
Reverse Current	$I_R$	$V_R = -50\text{V}$		-100		nA
Interterminal Capacitance	$c$	$V_R = 0\text{V}, f = 1\text{MHz}$			9	pF
Reverse Recovery Time	$t_{rr}$	$I_F = 10\text{mA}, V_R = -6\text{V}, R_L = 50\Omega, I_{rr} = 0.1I_{rp}$			8	ns
Rated Input/Output Frequency					12.5	MHz



### Electrical Connection

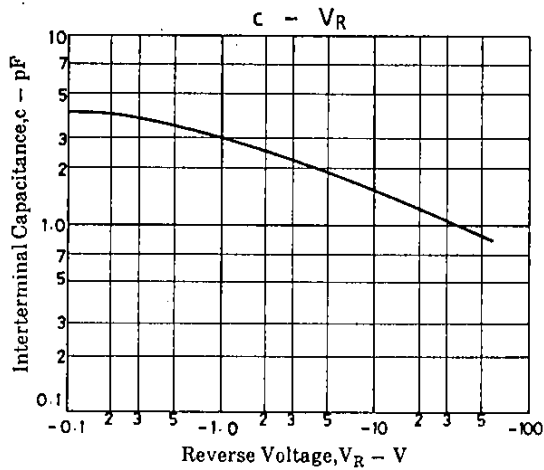
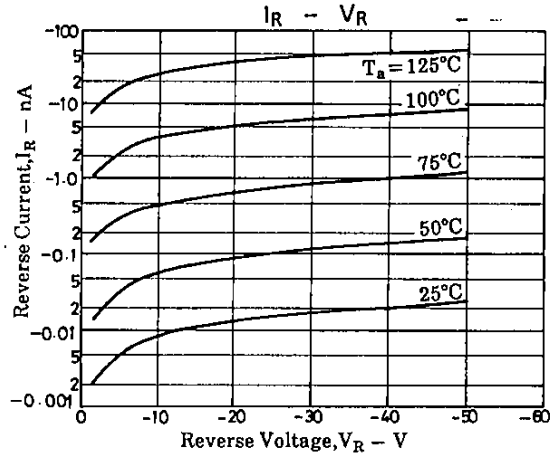
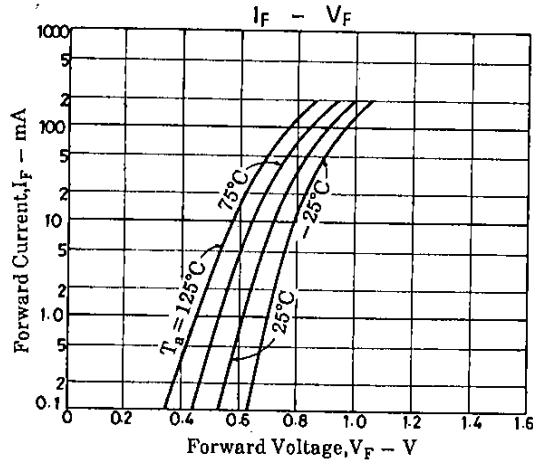


### Package Dimensions 1149 (unit: mm)



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