

<b>SANYO</b>	No.3157B	<h1 style="margin: 0;">1SS345</h1> <p style="margin: 0;">Silicon Epitaxial Schottky Barrier Diode</p> <h2 style="margin: 0;">UHF Detector, Mixer Applications</h2>
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**Features**

- Small interterminal capacitance ( $C = 0.45\text{pF typ}$ ).
- Low forward voltage and excellent detection efficiency ( $V_F = 0.35\text{V max}$ ).
- High breakdown voltage ( $V_R = 55\text{V}$ )
- Very small-sized package permitting the 1SS345-applied sets to be made small and slim.

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

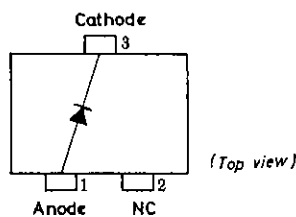
			unit
Reverse Voltage	$V_R$	55	V
Forward Current	$I_F$	10	mA
Power Dissipation	$P$	150	mW
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55 to +125	$^\circ\text{C}$
Reverse Burning	$B_o$ (C = 25pF)	2	erg

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

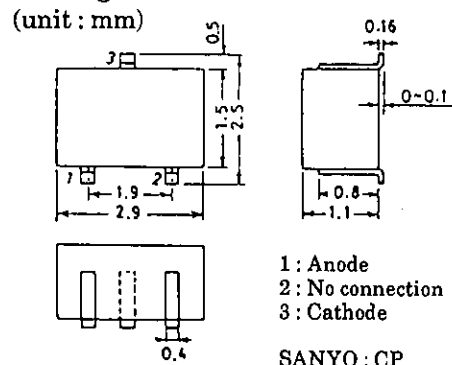
Forward Voltage	$V_F$ $I_F = 1\text{mA}$	min	typ	max	unit
Forward Current	$I_F$ $V_F = 1\text{V}$			0.35	V
Reverse Voltage	$V_R$ $I_R = 100\mu\text{A}$	10			mA
Reverse Current	$I_R$ $V_R = 40\text{V}$	55			V
Interterminal Capacitance	$C$ $V_R = 10\text{V}, f = 1\text{MHz}$		0.45	50	$\mu\text{A}$
					pF

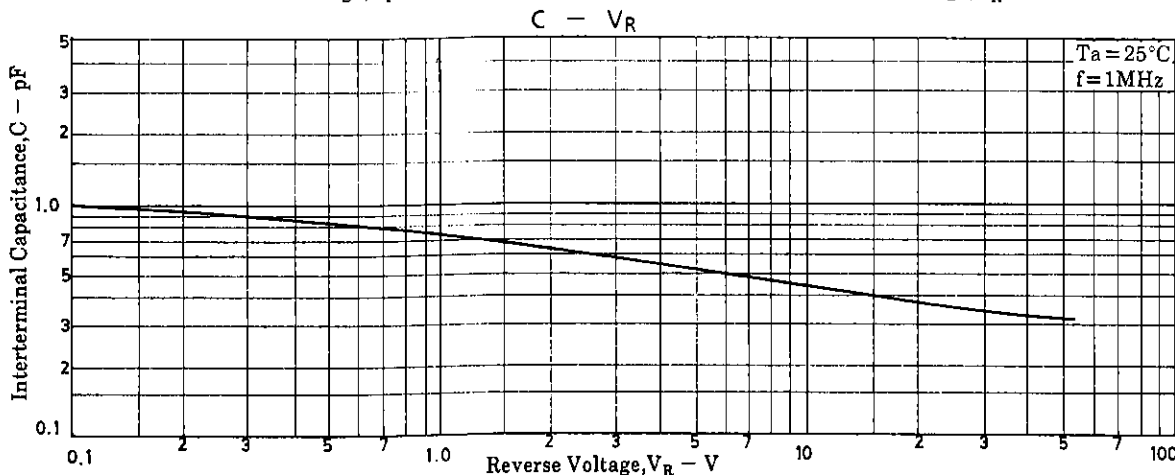
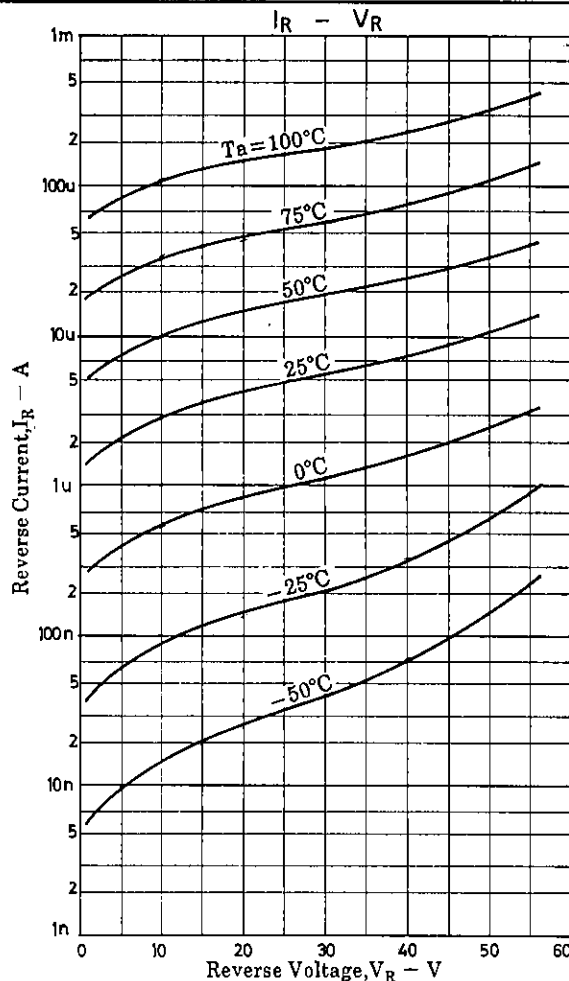
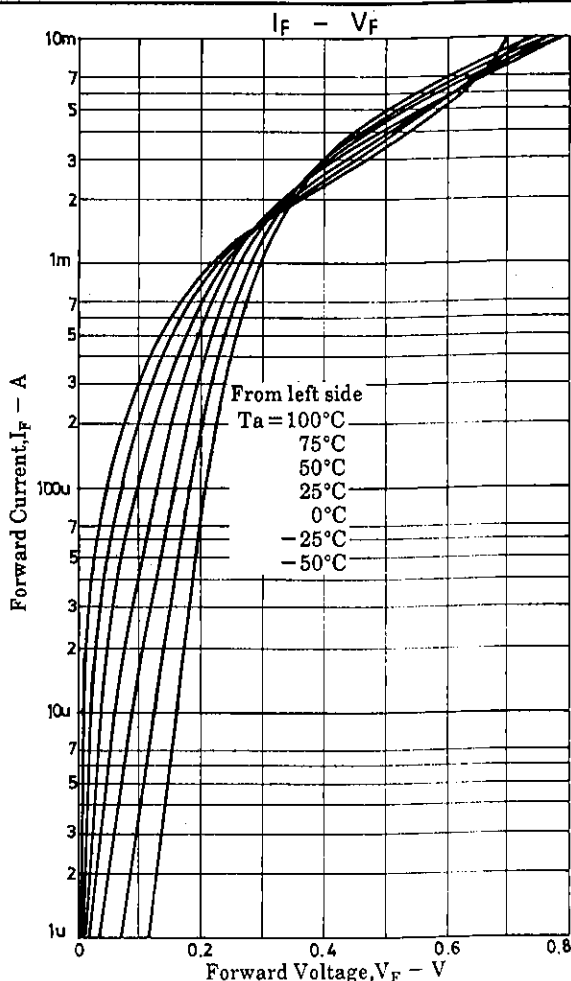
Marking : AH

**Electrical Connection**



**Package Dimensions 1148A**





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