


Ordering number : EN2191A

	No.2191A	<b>SB0030-01A</b> Schottky Barrier Diode 10V, 30mA Detection Applications

### Features

- Glass sleeve structure
- Detection efficiency : 70%
- Small size (Half the size of the DO-35 heretofore in use)

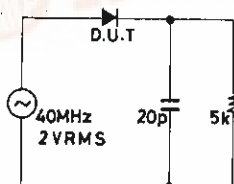
### Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$

			unit
Reverse Voltage	$V_R$	-10	V
Average Rectified Current	$I_O$	30	mA
Junction Temperature	$T_j$	100	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-55 to +100	$^\circ\text{C}$

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

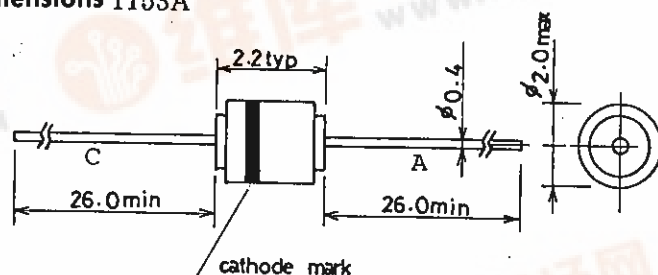
			min	typ	max	unit
Forward Current	$I_F$	$V_F = 1.0\text{V}$	4.5			mA
Reverse Current	$I_R$	$V_R = -6\text{V}$			-70	$\mu\text{A}$
Capacitance	$C$	$V_R = -1\text{V}, f = 1\text{MHz}$			1.5	pF
Detection Efficiency	$\eta$	$f = 40\text{MHz}$	70			%

### Detection Efficiency Circuit



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

### Package Dimensions 1153A (unit: mm)



C: Cathode  
A: Anode

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