

<b>SANYO</b>	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)

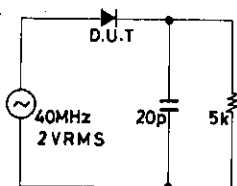
**Absolute Maximum Ratings at Ta = 25°C**

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

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

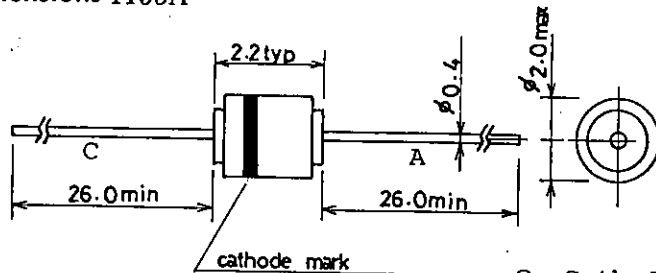
			min	typ	max	unit
Forward Current	$I_F$	$V_F = 1.0V$	4.5			mA
Reverse Current	$I_R$	$V_R = -6V$			-70	$\mu A$
Capacitance	C	$V_R = -1V, f = 1MHz$			1.5	pF
Detection Efficiency	$\eta$	$f = 40MHz$	70			%

**Detection Efficiency Circuit**



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

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



C: Cathode  
A: Anode

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