



SB0015-03A

Schottky Barrier Diode

30V, 15mA Detection Applications

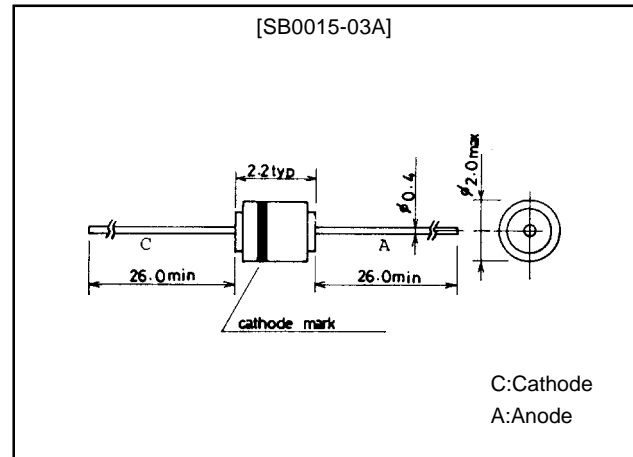
Features

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

Package Dimensions

unit:mm

1153A



Specifications

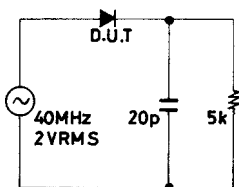
Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		30	V
Average Rectified Current	I_O		15	mA
Junction Temperature	T_J		100	°C
Storage Temperature	T_{stg}		-55 to +100	°C

Electrical Characteristics at Ta = 25°C

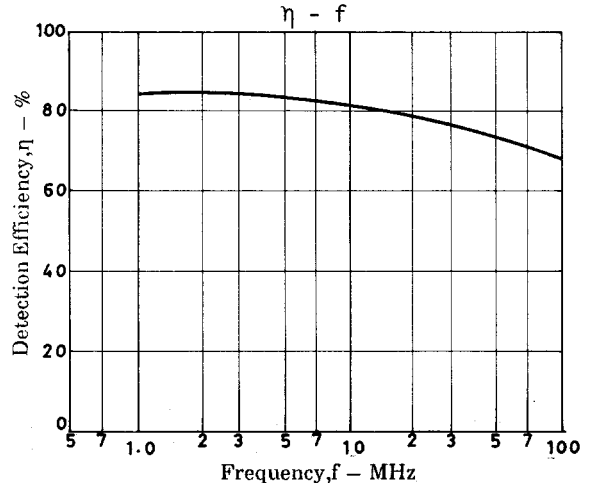
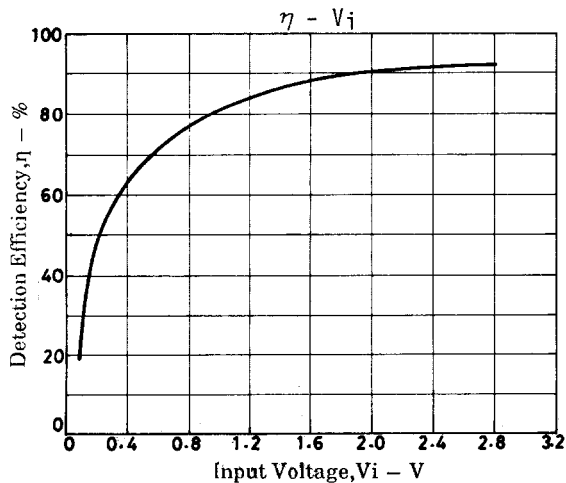
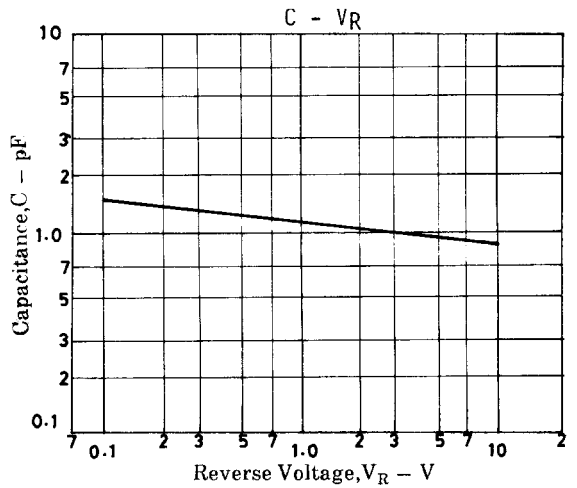
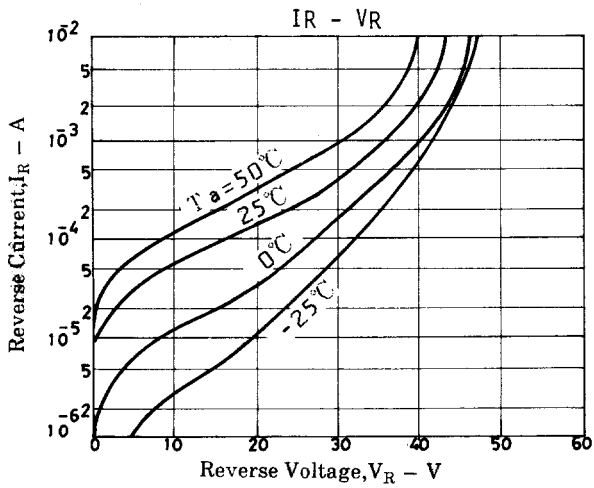
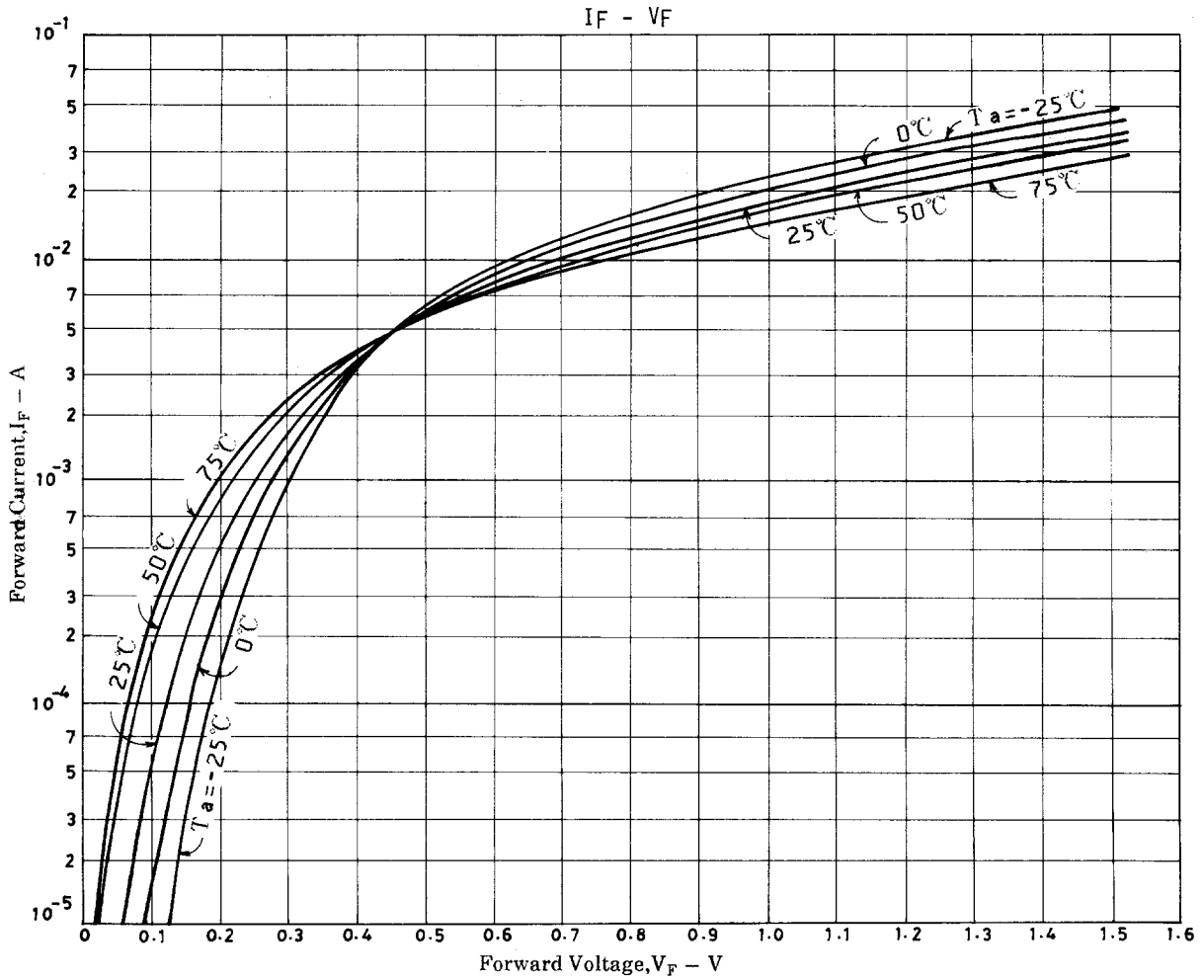
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Current	I_F	$V_F=1.0V$	3.0			mA
Reverse Current	I_R	$V_R=10V$			100	μA
Capacitance	C	$V_R=1V, f=1MHz$			3.0	pF
Detection Efficiency	η	$f=40MHz$	70			%

Detection Efficiency Circuit



Unit (resistance : Ω , capacitance : F)

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