

**SB0030-01A**

Schottky Barrier Diode

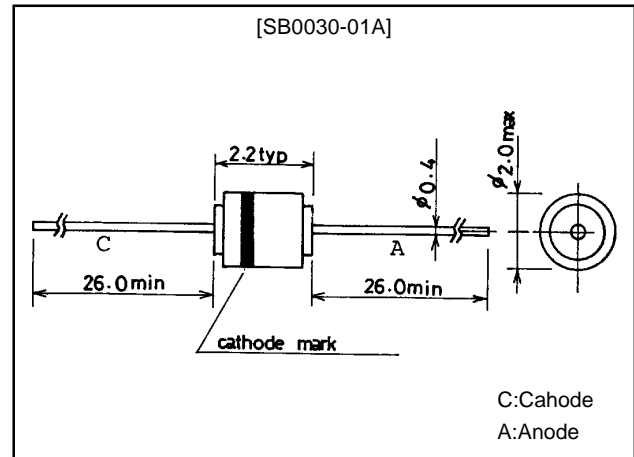
10V, 30mA Detection Applications**Features**

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

Package Dimensions

unit:mm

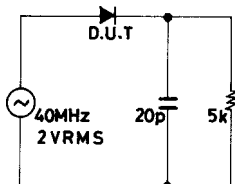
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**Specifications****Absolute Maximum Ratings at Ta = 25°C**

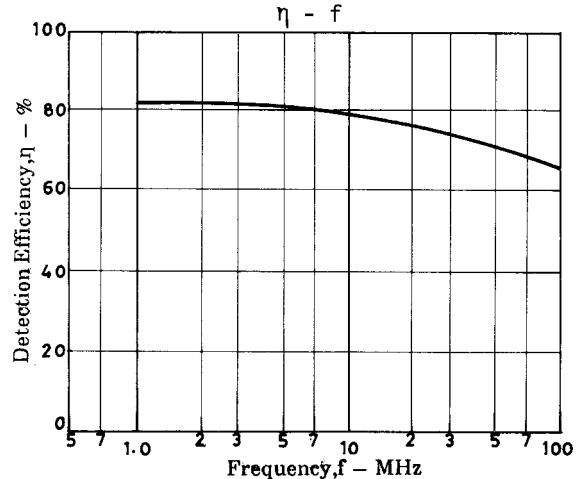
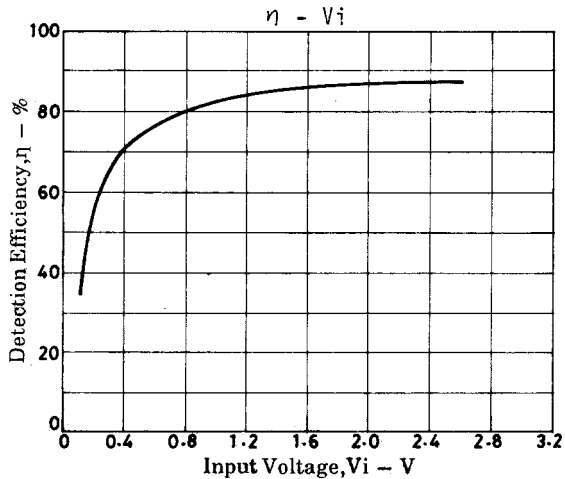
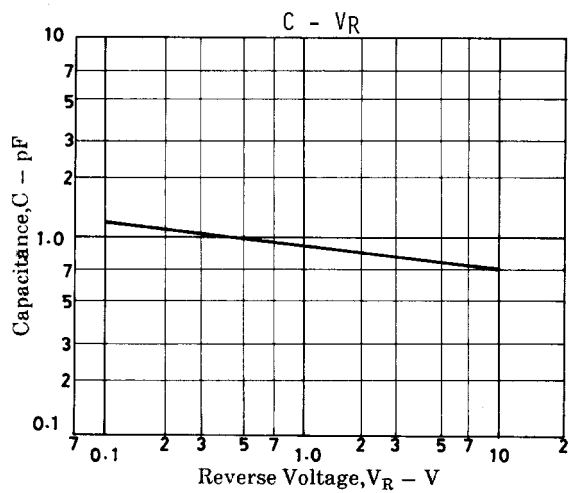
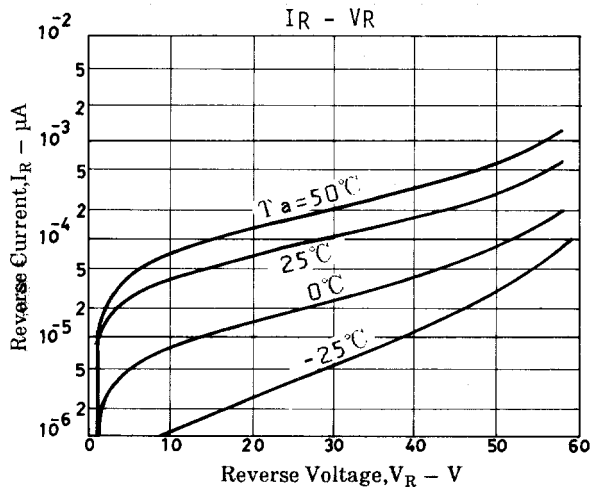
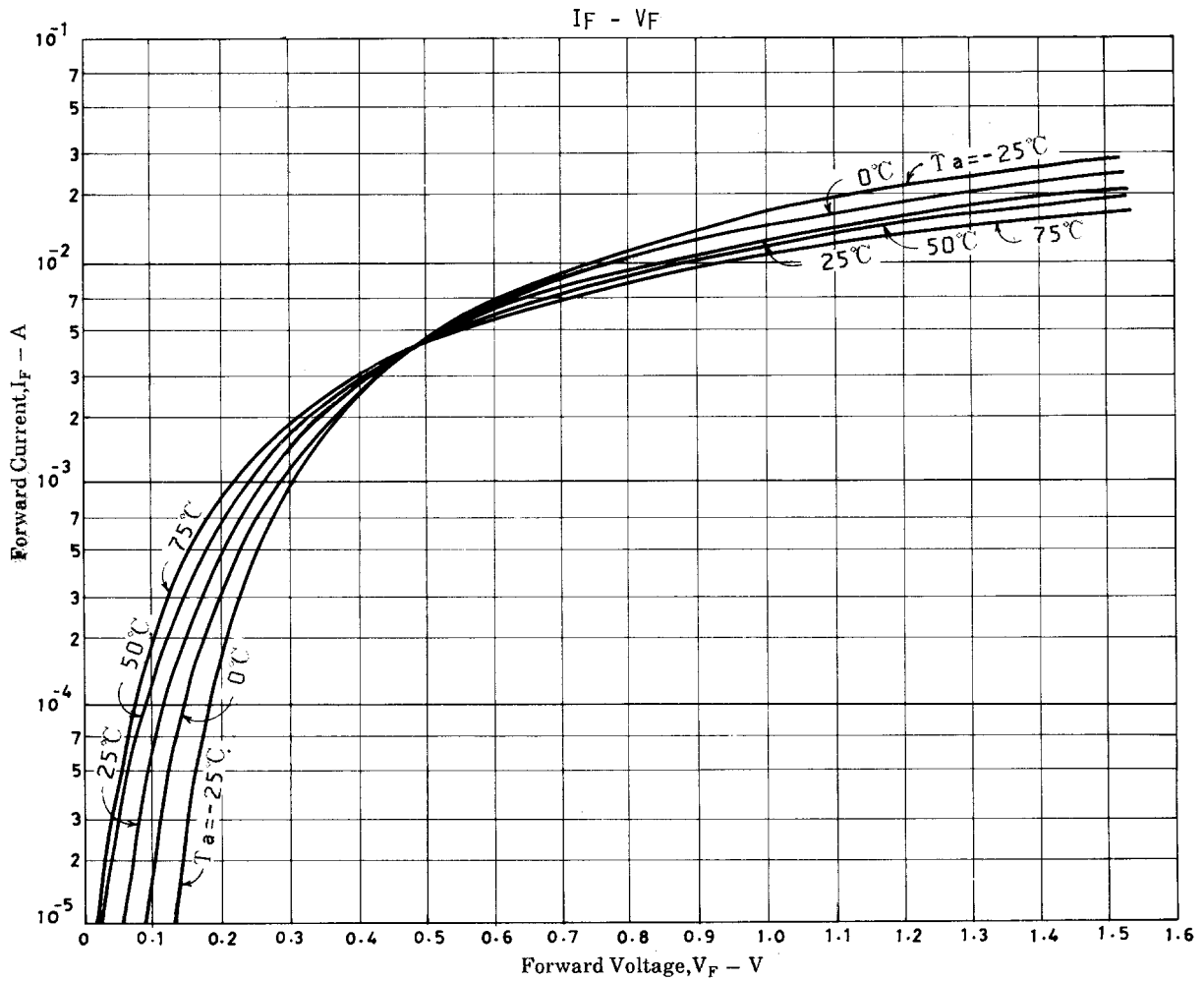
Parameter	Symbol	Conditions	Ratings	Unit
Reverse Voltage	V_R		10	V
Average Rectified Current	I_O		30	mA
Junction Temperature	T_j		100	°C
Storage Temperature	T_{stg}		-55 to +100	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Forward Current	I_F	$V_F=1.0V$	4.5			mA
Reverse Current	I_R	$V_R=6V$			70	μA
Capacitance	C	$V_R=1V, f=1MHz$			1.5	pF
Detection Efficiency	η	$f=40MHz$	70			%

Detection Efficiency CircuitUnit (resistance : Ω , capacitance : F)

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