

SANYO**SB0015-03A**

Schottky Barrier Diode

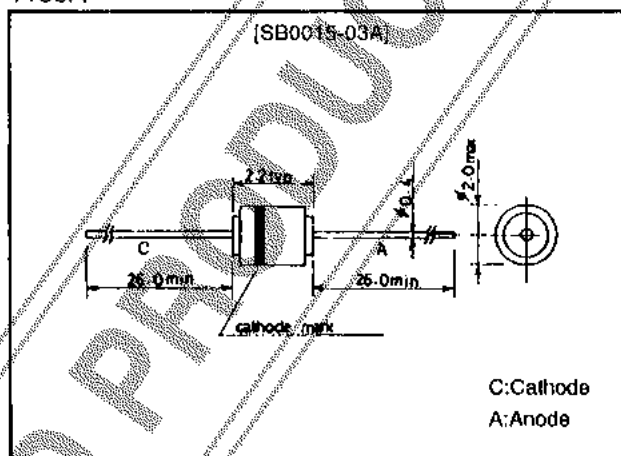
30V, 15mA Detection Applications**Features**

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

Package Dimensions

unit:mm

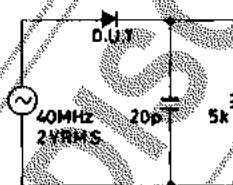
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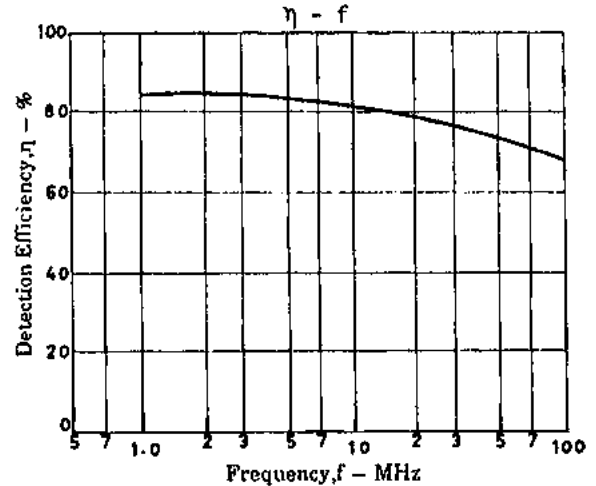
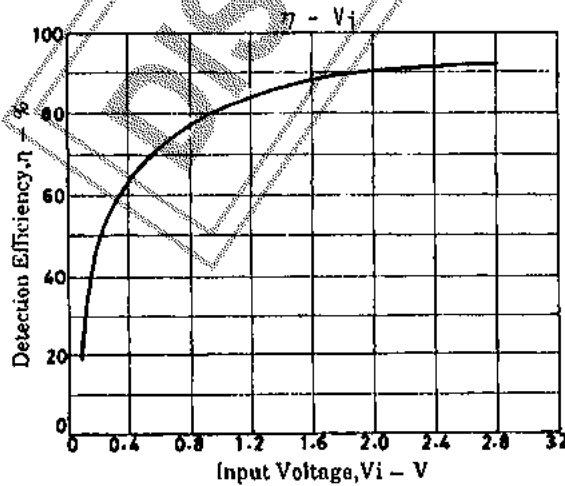
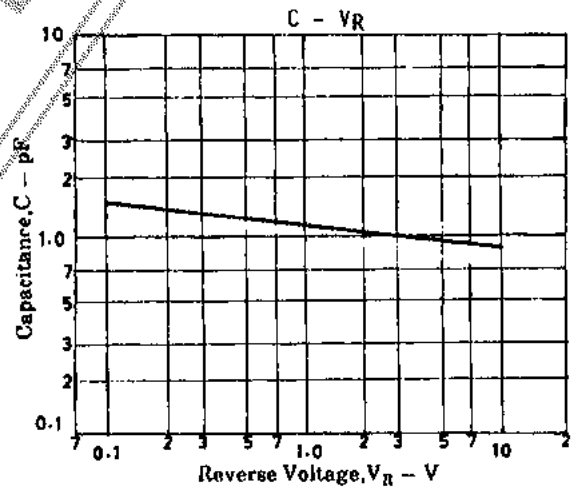
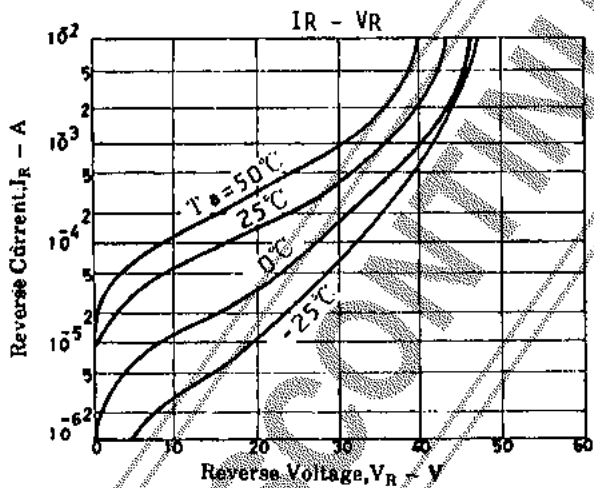
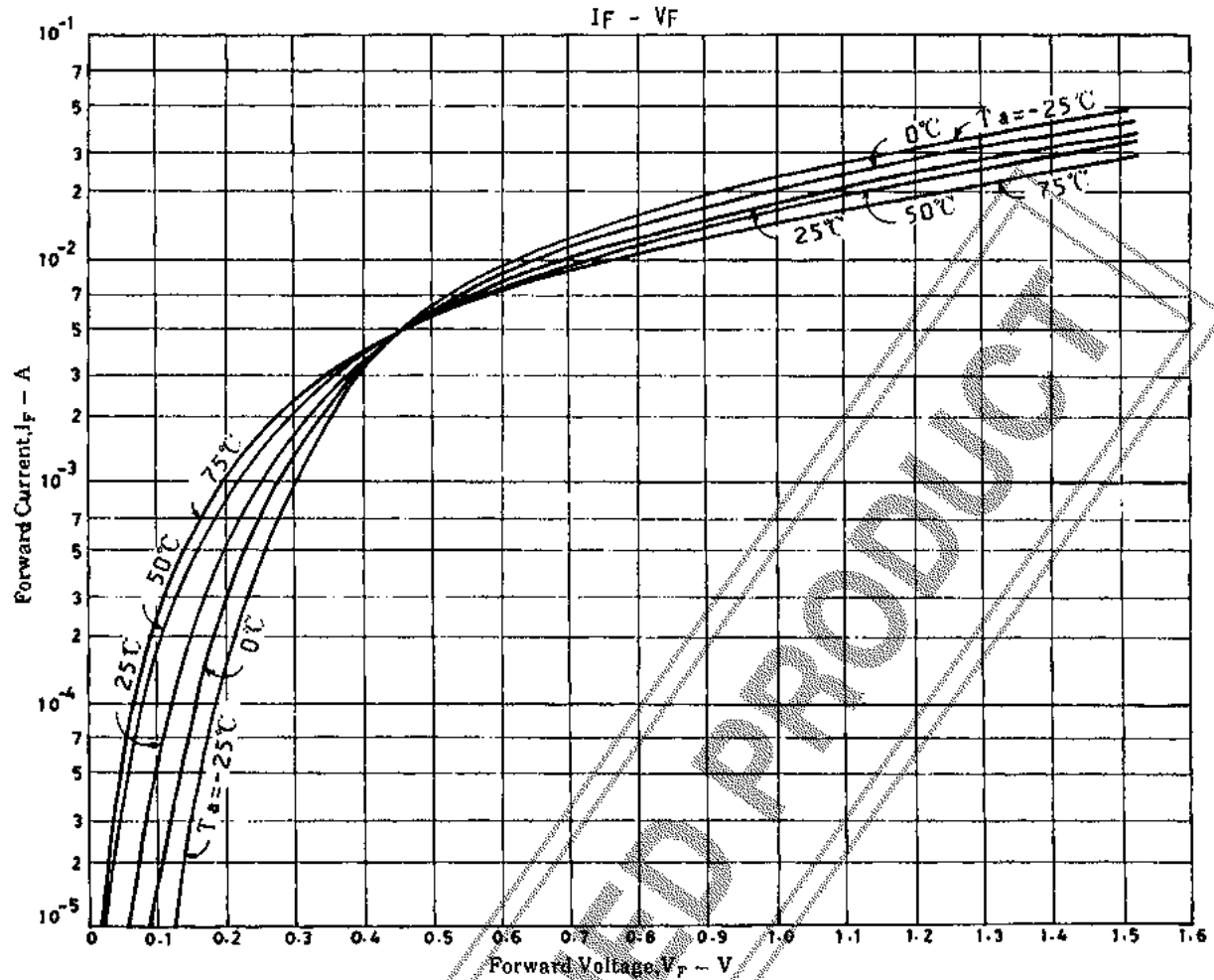
**Specifications****Absolute Maximum Ratings at $T_a = 25^\circ\text{C}$**

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

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

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

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



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- ② Not impose any responsibility for any fault or negligence which may be cited in any such claim or litigation on SANYO ELECTRIC CO., LTD., its affiliates, subsidiaries and distributors or any of their officers and employees jointly or severally.

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