

SANYO	No.2939A	SB007-03Q
		Schottky Barrier Diode
30V, 70mA Rectifier		

Applications

- High frequency rectification (switching regulators, converters, choppers)

Features

- Low forward voltage ($V_F \text{ max} = 0.55\text{V}$)
- Fast reverse recovery time ($t_{rr} \text{ max} = 10\text{ns}$)
- Low switching noise
- Low leakage current and high reliability due to highly reliable planar structure
- Ultrasmall-sized package permitting SB007-03Q-applied sets to be compact and slim

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

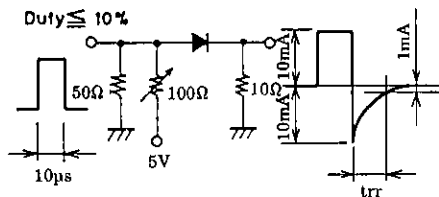
Repetitive Peak Reverse Voltage	V_{RRM}	30		unit
Nonrepetitive Peak Reverse	V_{RSM}	35		V
Surge Voltage				V
Average Output Current	I_O	70		mA
Surge Forward Current	I_{FSM}	2	50Hz sine wave, 1 cycle	A
Junction Temperature	T_j	-55 to +125		°C
Storage Temperature	T_{stg}	-55 to +125		°C

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

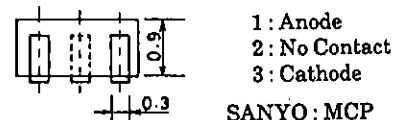
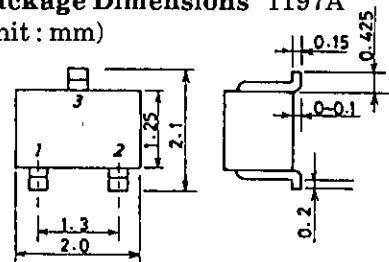
Reverse Voltage	V_R	$I_R = 20\mu\text{A}$	min	typ	max		unit
Forward Voltage	V_F	$I_F = 70\text{mA}$	30				V
Reverse Current	I_R	$V_R = 15\text{V}$			0.55		V
Interterminal Capacitance	C	$V_R = 10\text{V}, f = 1\text{MHz}$		3.0		5	μA
Reverse Recovery Time	t_{rr}	$I_F = I_R = 10\text{mA}$				10	pF
		See specified Test Circuit.					ns

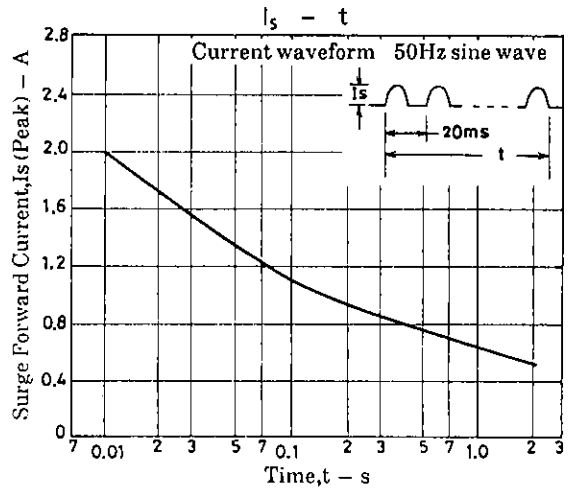
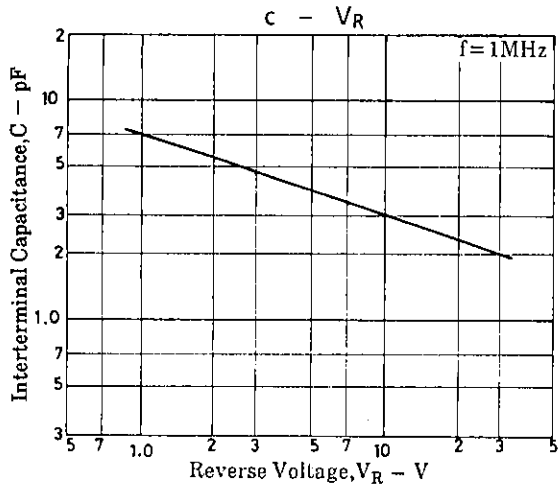
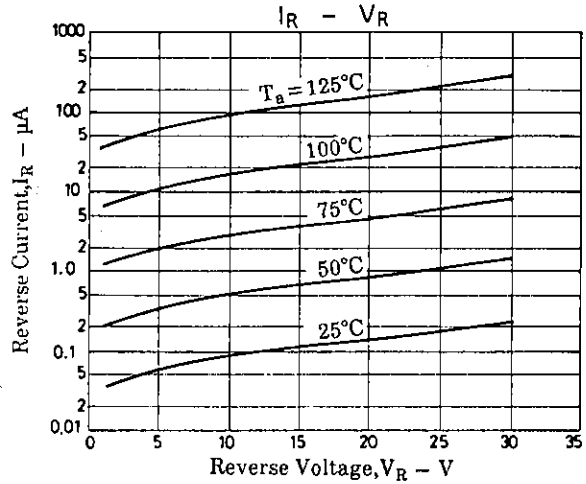
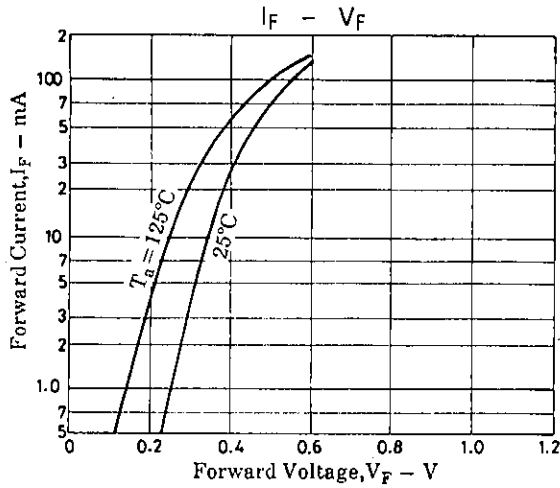
Marking : G

t_{rr} Test Circuit



Package Dimensions 1197A
(unit : mm)





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