



# FUKUCOM COMPANY LTD.

## 福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,  
KWUN TONG, KOWLOON, HONG KONG.

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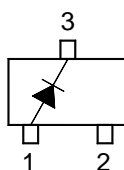
### SB411D

#### SILICON EPITAXIAL PLANAR SCHOTTKY BARRIER DIODE

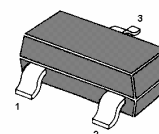
for low power rectification and switching power supply

#### Features

- Small surface mounting type.
- High reliability.



SOT-23



SOT-23 Plastic Package

#### Marking

Marking Code: FE

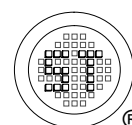
#### Absolute Maximum Ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	40	V
DC Reverse Voltage	$V_R$	20	V
Mean Rectifying Current	$I_o$	0.5	A
Peak Forward Surge Current <sup>1)</sup>	$I_{FSM}$	3	A
Junction Temperature	$T_j$	125	$^\circ\text{C}$
Storage Temperature Range	$T_s$	-40 to +125	$^\circ\text{C}$

<sup>1)</sup> 60Hz for 1  $\mu\text{s}$

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

Parameter	Symbol	Min	Typ	Max	Unit
Forward Voltage at $I_F = 10\text{mA}$ at $I_F = 500\text{mA}$	$V_F$	-	-	0.3 0.5	V
Reverse Current at $V_R = 10\text{V}$	$I_R$	-	-	30	$\mu\text{A}$
Capacitance Between Terminals at $V_R = 10\text{V}$ , $f = 1\text{MHz}$	$C_T$	-	20	-	pF



Dated : 21/10/2005



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### ● Electrical characteristic curves (Ta = 25°C)

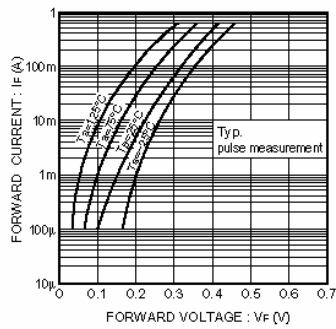


Fig. 1 Forward characteristics

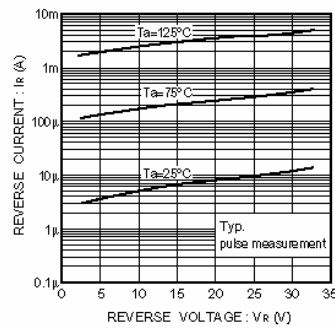


Fig. 2 Reverse characteristics

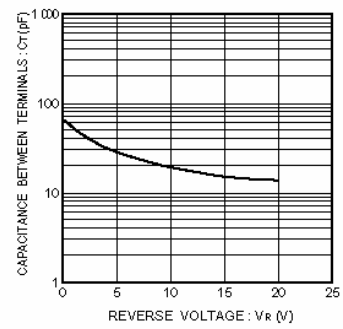
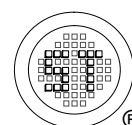


Fig. 3 Capacitance between terminals characteristic



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