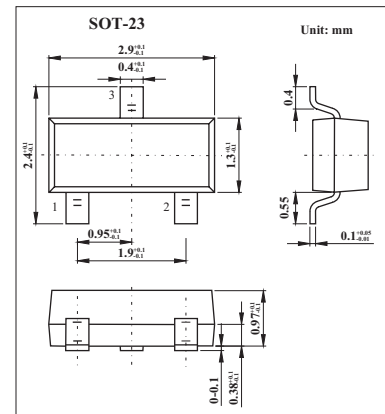


## Schottky barrier diode

## RB705D



### ■ Features

- Small surface mounting type.(SMD3)
- Low reverse current and low forward voltage.
- Multiple diodes with common cathode configuration

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

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	40	V
DC reverse voltage	$V_R$	40	V
Mean rectifying current	$I_o$	30	mA
Peak forward surge current *	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to + 125	$^\circ\text{C}$

\* 60 Hz for 1  $\infty$

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 1 \text{ mA}$			0.37	V
Reverse current	$I_R$	$V_R = 10 \text{ V}$			1	$\mu\text{A}$
Capacitance between terminals	$C_T$	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$		2		pF

### ■ Marking

Marking	D3H
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