

# RB400D

# Diode, Schottky barrier, surface mount

These mold-type diodes are suitable for high density surface mounting on printed circuit boards.

### Features

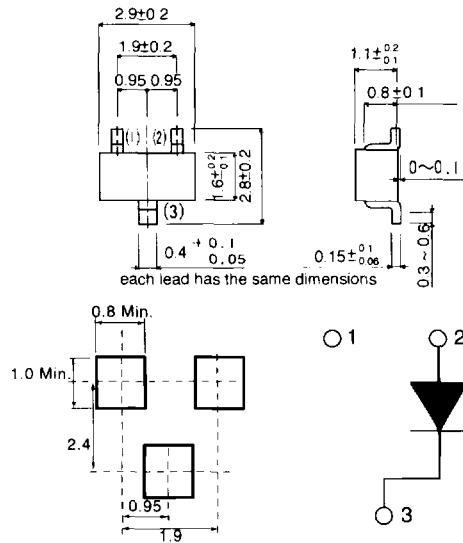
- available in SMD3 (SMD, SC-59) package (similar to SOT-23)
- part marking, D3A
- very low forward voltage

### Applications

- high frequency rectifying
- power supply switching

**Note:** Care must be taken when installing and in operation to protect these diodes from static electricity.

### Dimensions (Units : mm)



### Absolute maximum ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Limits	Unit	Conditions
Peak reverse voltage	$V_{RM}$	20	V	
Mean rectifying current	$I_O$	0.5	A	
Peak forward surge current	$I_{FSM}$	3	A	At 60 Hz for 1 cycle
Junction temperature	$T_j$	125	$^\circ\text{C}$	
Storage temperature	$T_{stg}$	$-40 \sim +125$	$^\circ\text{C}$	

### Electrical characteristics (unless otherwise noted, $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Min	Typical	Max	Unit	Conditions
Forward voltage	$V_F$		0.49	0.55	V	$I_F = 0.5$ A
Reverse current	$I_R$		0.7	30	$\mu\text{A}$	$V_R = 10$ V

Electrical characteristic curves

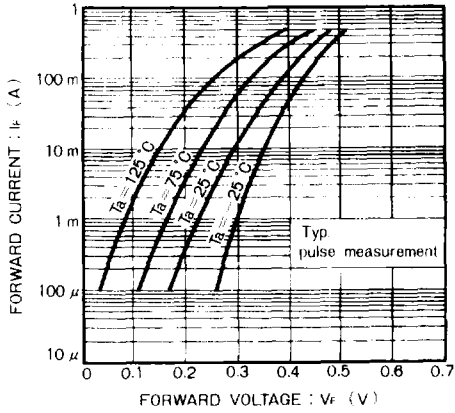


Figure 1

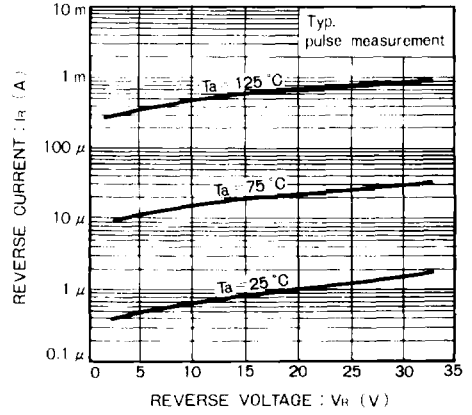


Figure 2

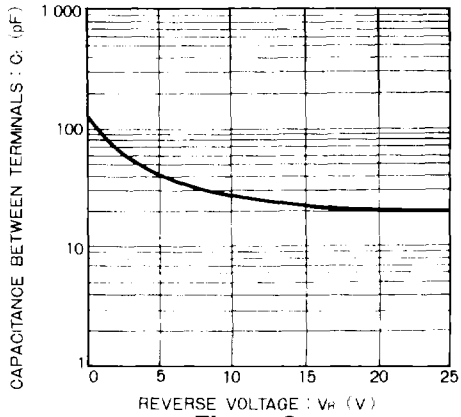


Figure 3