

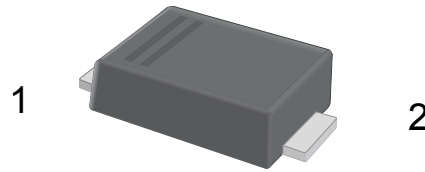
## Schottky Diodes

## RB162M-60 (KB162M-60)

## ■ Features

- Small Power mold type
- Cathode common dual type
- High reliability

SOD-123FL



Top View



PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

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

Parameter	Symbol	Rating	Unit
Repetitive Peak Reverse Voltage	$V_{RM}$	60	V
Reverse Voltage	$V_R$	60	
Average Forward Rectified Current	$I_O$	1	A
Non-repetitive Forward Current Surge Peak	$I_{FSM}$	20	
Junction Temperature	$T_J$	150	$^\circ\text{C}$
Storage Temperature range	$T_{stg}$	-40 to 150	

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	$V_R$	$I_R = 100 \mu\text{A}$	60			V
Forward voltage	$V_F$	$I_F = 1 \text{ A}$			0.65	
Reverse voltage leakage current	$I_R$	$V_R = 60 \text{ V}$			100	$\mu\text{A}$

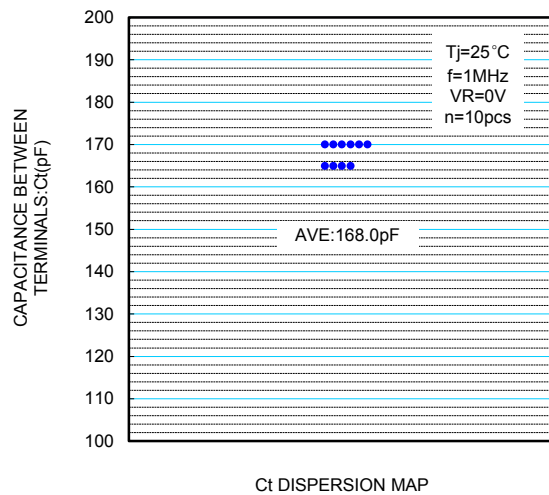
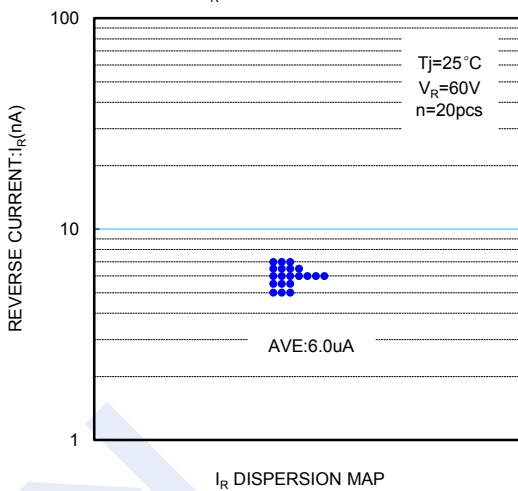
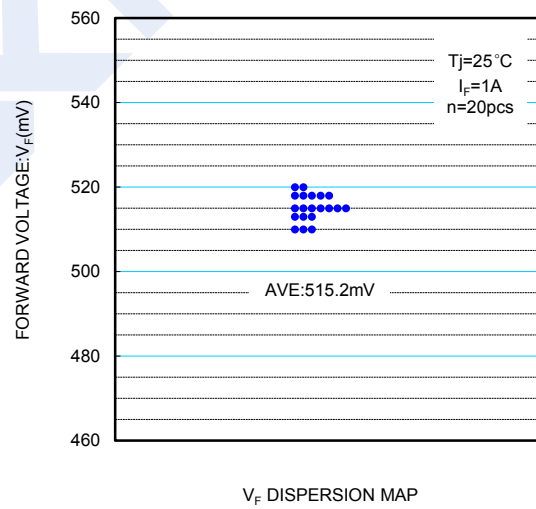
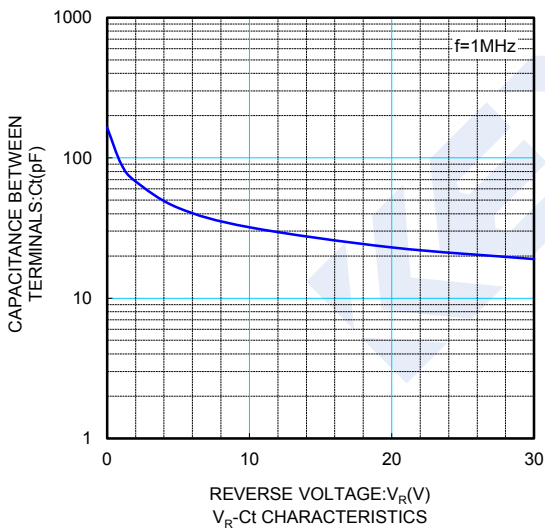
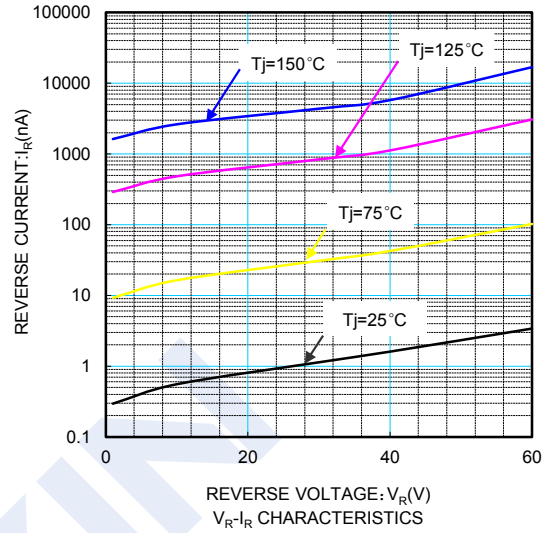
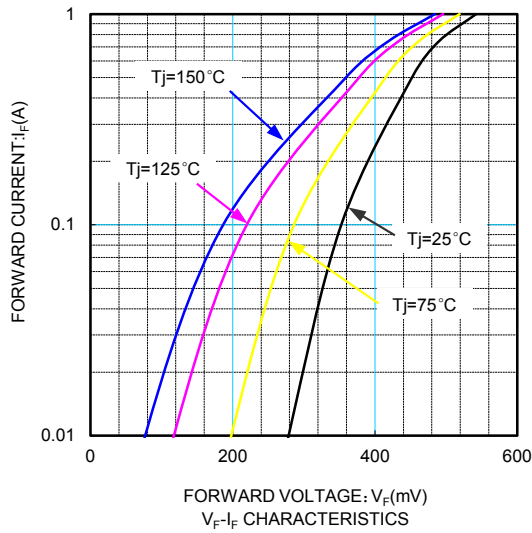
## ■ Marking

Marking	45
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# Schottky Diodes

## RB162M-60 (KB162M-60)

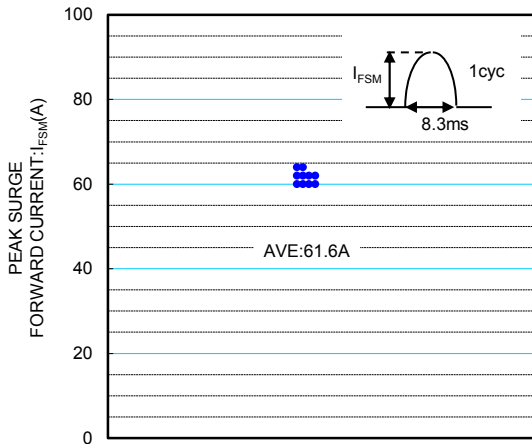
■ Typical Characteristics



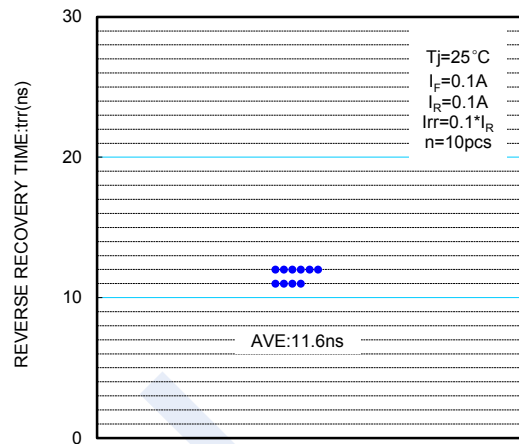
## Schottky Diodes

### RB162M-60 (KB162M-60)

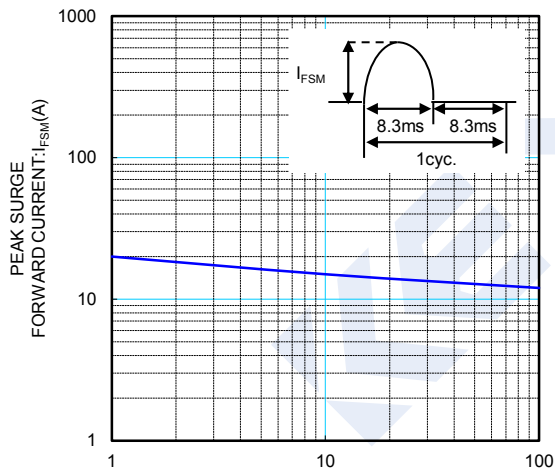
■ Typical Characteristics



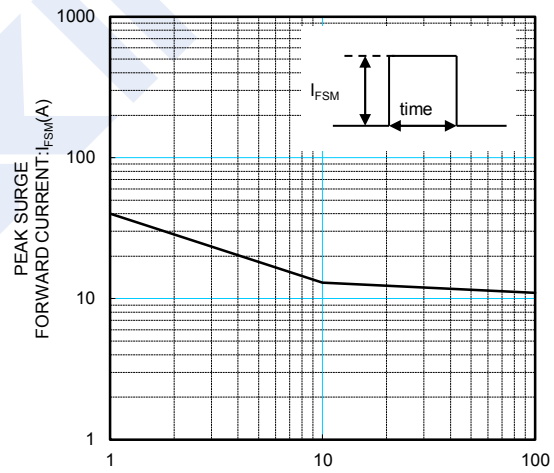
$I_{FSM}$  DISPERSION MAP



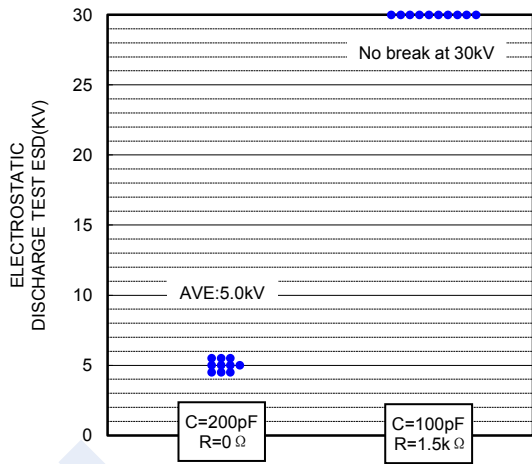
trr DISPERSION MAP



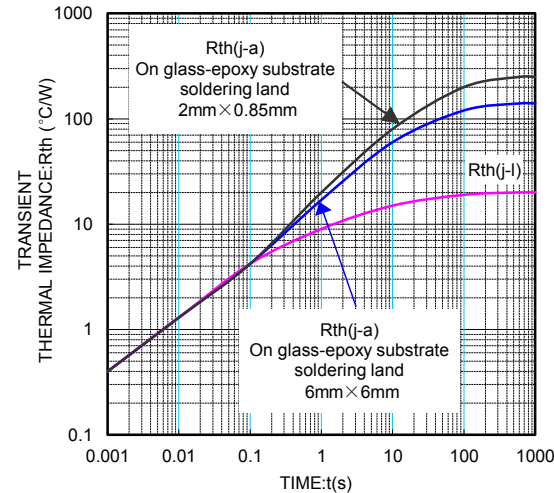
$I_{FSM}$ -CYCLE CHARACTERISTICS



$I_{FSM}$ -t CHARACTERISTICS



ESD DISPERSION MAP

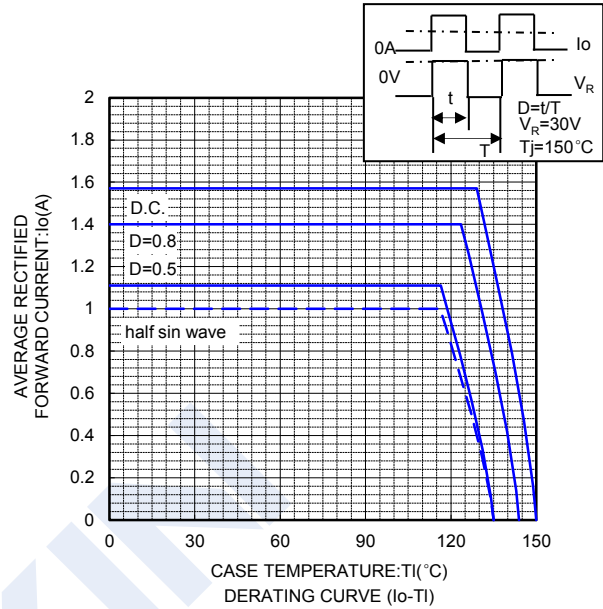
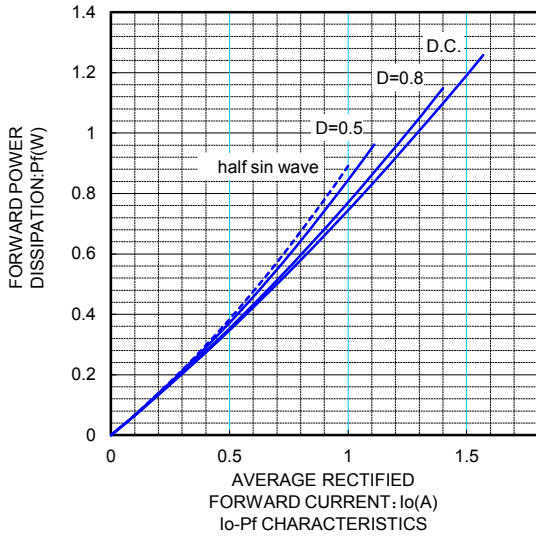


$R_{th}$ -t CHARACTERISTICS

### Schottky Diodes

### RB162M-60 (KB162M-60)

■ Typical Characteristics



Plastic surface mounted package; 2 leads

SOD-123FL

