

## RB495D SCHOTTKY BARRIER DIODE

### FEATURES

- Small Surface Mounting Type
- Low Forward Voltage
- Low Reverse Current
- High Reliability

### APPLICATIONS

- General Rectification

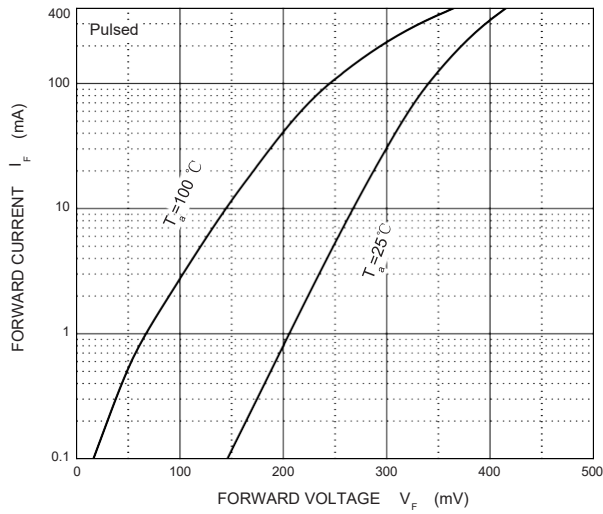
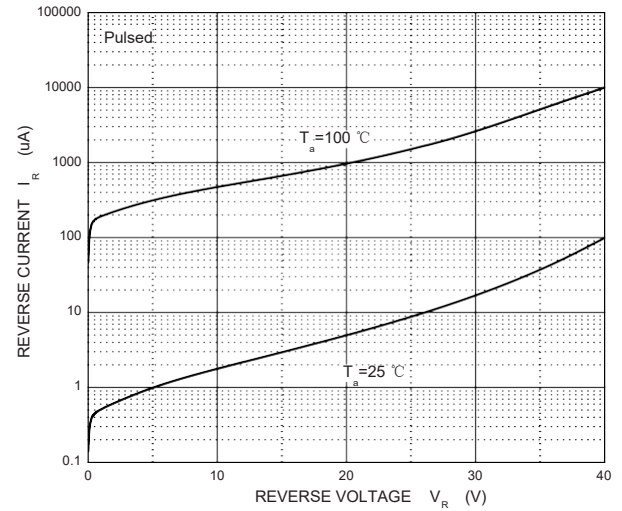
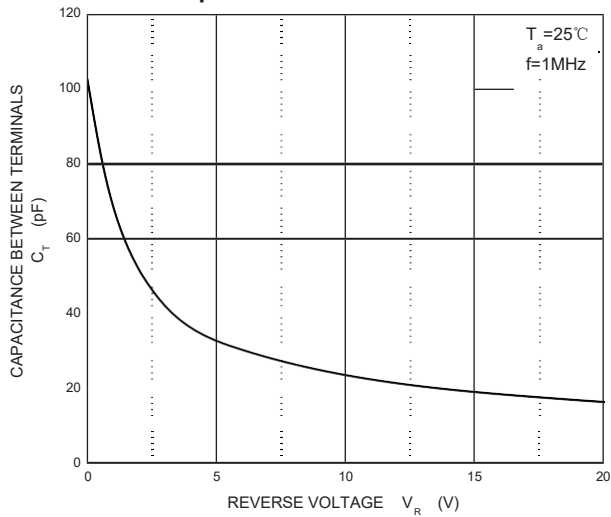


### MAXIMUM RATINGS ( $T_a=25^{\circ}\text{C}$ unless otherwise noted )

Symbol	Parameter	Value	Unit
$V_{RRM}$	Peak Repetitive Reverse Voltage	40	V
$V_{RWM}$	Working Peak Reverse Voltage		
$V_{R(RMS)}$	RMS Reverse Voltage	28	V
$I_O$	Continuous Forward Current	400	mA
$I_{FSM}$	Non-repetitive Peak Forward Surge Current@ $t=8.3\text{ms}$	2	A
$P_D$	Power Dissipation	250	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	400	$^{\circ}\text{C/W}$
$T_J$	Operating Junction Temperature Range	$-40 \sim +125$	$^{\circ}\text{C}$
$T_{stg}$	Storage Temperature Range	$-55 \sim +150$	$^{\circ}\text{C}$

### ELECTRICAL CHARACTERISTICS( $T_a=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	25			V
Reverse current	$I_R$	$V_R=25\text{V}$			70	$\mu\text{A}$
Forward voltage	$V_F$	$I_F=10\text{mA}$			0.3	V
		$I_F=200\text{mA}$			0.5	

**Forward Characteristics**

**Reverse Characteristics**

**Capacitance Characteristics**

**Power Derating Curve**
