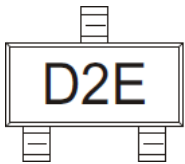


RB491D Schottky Barrier Diode

FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

Marking: D2E

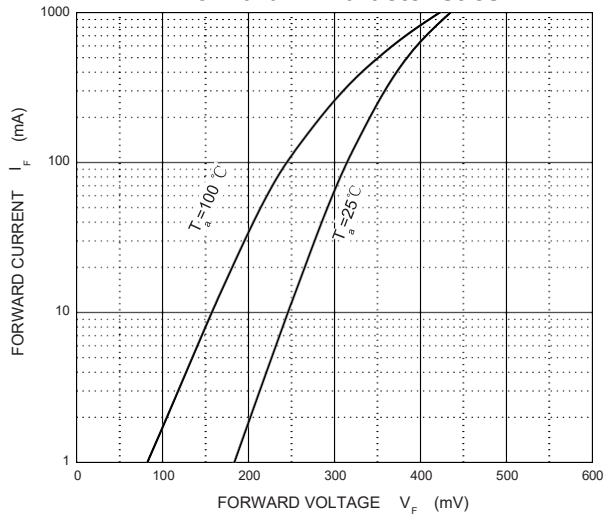
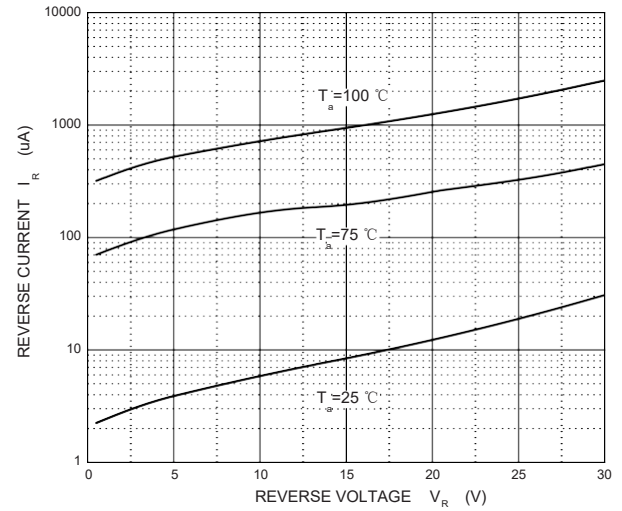
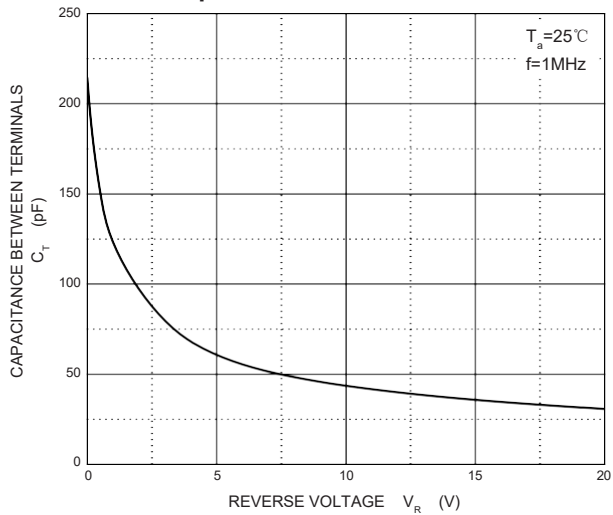


Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	25	V
DC reverse voltage	V_R	20	V
Mean rectifying current	I_F	1	A
Forward Surge Current Non-repetitive @t=8.3msPeak	I_{FSM}	3	A
Power dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	°C/W
Operating Junction Temperature Range	T_j	-40 ~ +125	°C
Storage Temperature Range	T_{stg}	-55 ~ +150	°C

Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.45	V	$I_F=1A$
Reverse current	I_R			200	μA	$V_R=20V$

Forward Characteristics

Reverse Characteristics

Capacitance Characteristics

Power Derating Curve
