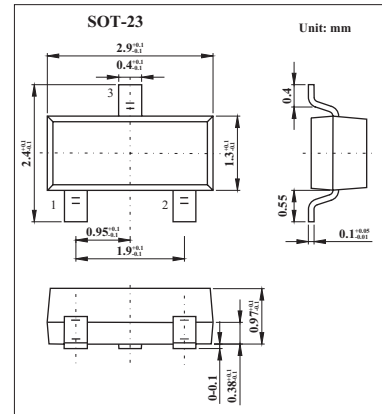


KB491D(RB491D)

■ Features

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



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Peak reverse voltage	V _{RM}	25	V
DC reverse voltage	V _R	20	V
Mean rectifying current	I _F	1	A
Peak forward surge current	I _{FSM}	3	A
Junction temperature	T _J	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Forward voltage	V _F	I _F =1A			0.45	V
Reverse current	I _R	V _R =20V			200	μA

■ Marking

Marking	D2E
---------	-----

KB491D(RB491D)

■ Typical Characteristics

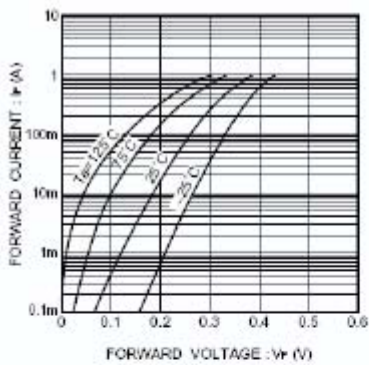


Fig.1 Forward characteristics

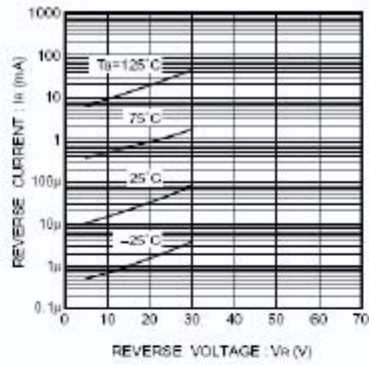


Fig.2 Reverse characteristics

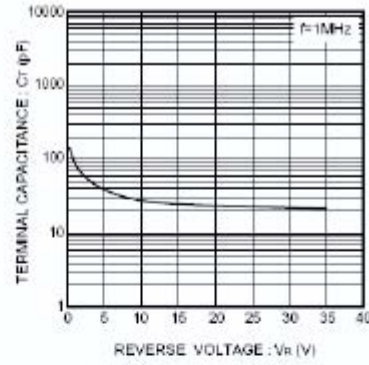


Fig.3 Capacitance between terminals characteristics

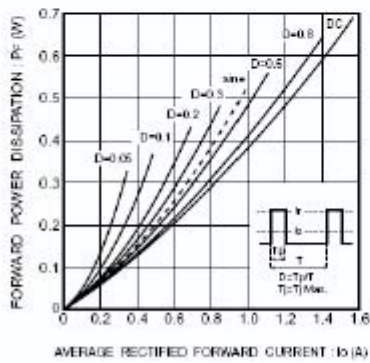


Fig.4 Forward power dissipation characteristics

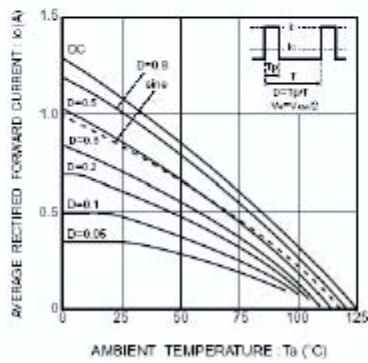


Fig.5 Derating curve ($I_o - T_a$)