

Shottky barrier diode

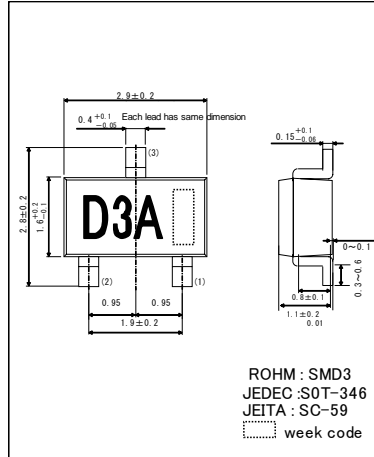
RB400D

●**Application**
Low current rectification

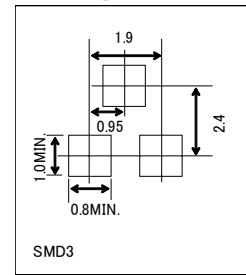
●**Features**
1) Small mold type. (SMD3)
2) Low I_r
3) High reliability.

●**Structure**
Silicon epitaxial planar

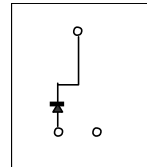
●**External dimensions (Unit : mm)**



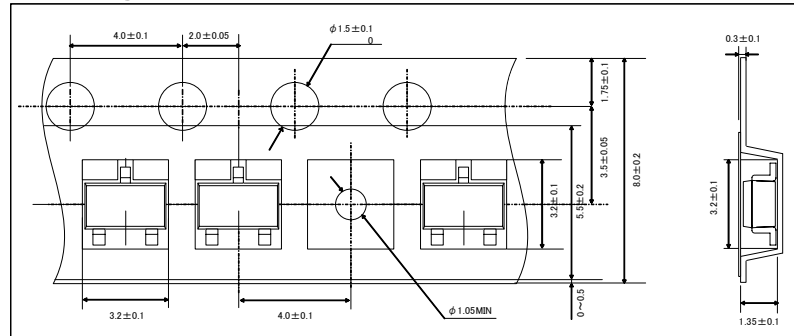
●**Lead size figure (Unit : mm)**



●**Structure**



●**Taping dimensions (Unit : mm)**



●**Absolute maximum ratings (Ta=25°C)**

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	40	V
Reverse voltage (DC)	V _R	40	V
Average rectified forward voltage (*1)	I _o	500	mA
Forward current surge peak (60Hz·1cyc) (*1)	I _{FSM}	3	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

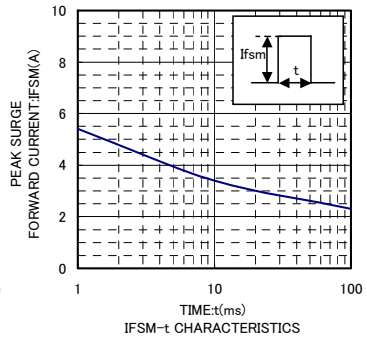
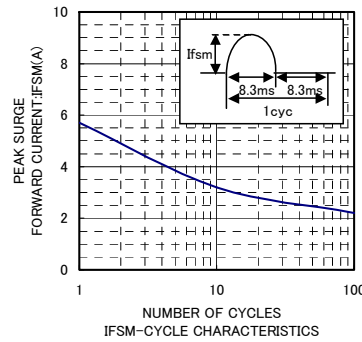
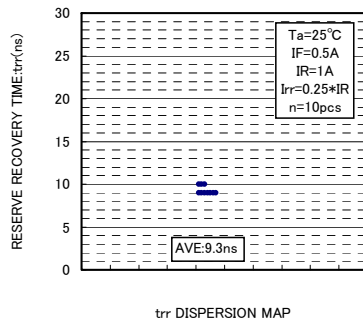
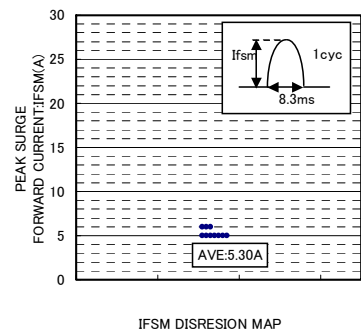
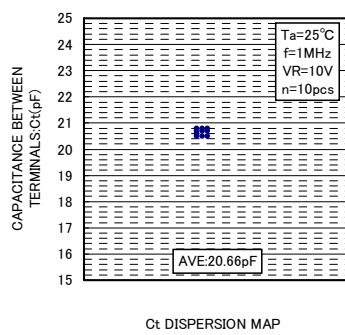
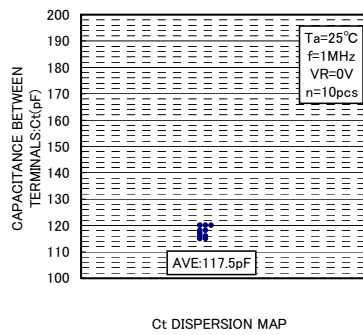
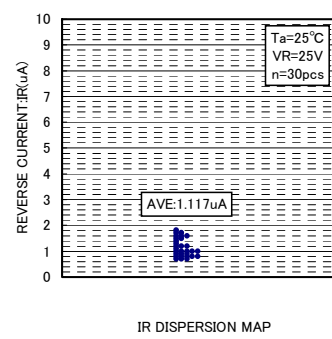
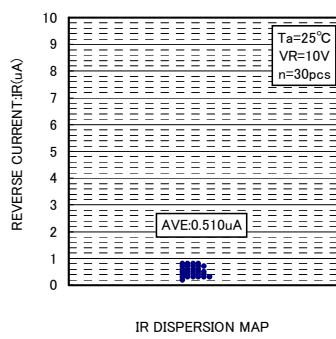
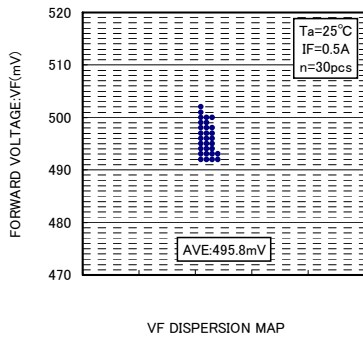
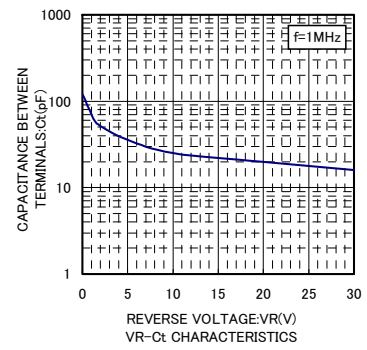
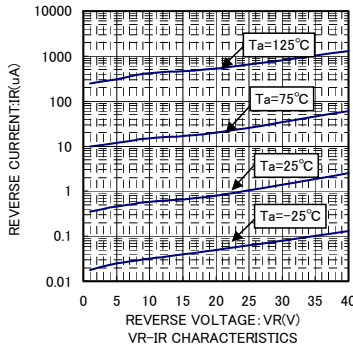
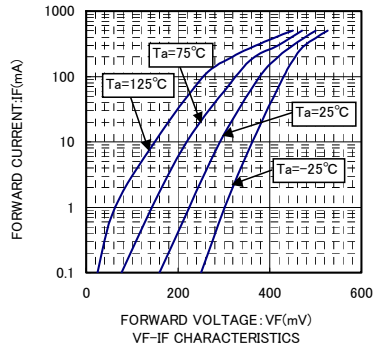
(*1) Rating of per diode

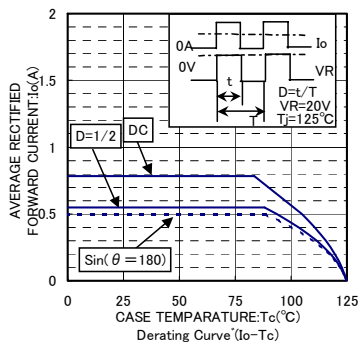
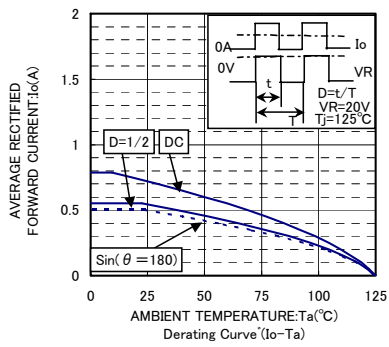
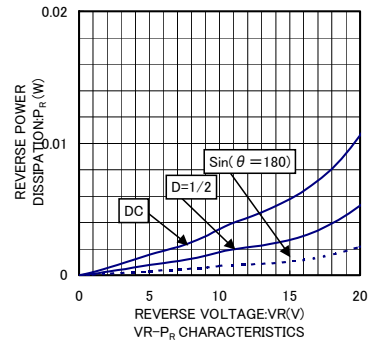
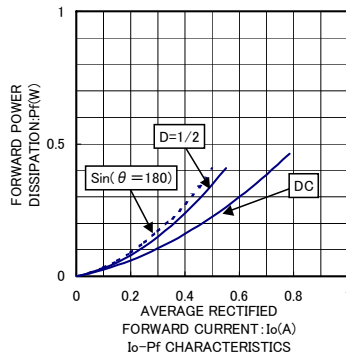
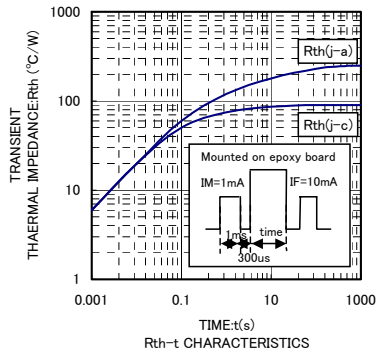
●**Electrical characteristics (Ta=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.55	V	I _F =500mA
Reverse current	I _{R1}	-	-	30	μA	V _R =10V
	I _{R2}	-	-	50	μA	V _R =30V
Capacitance between terminals	Ct1	-	125	-	pF	V _R =0V, f=1MHz
	Ct2	-	20	-	pF	V _R =10V, f=1MHz

Diodes

●Electrical characteristic curves (Ta=25°C)





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