

### ● Application

High frequency rectification

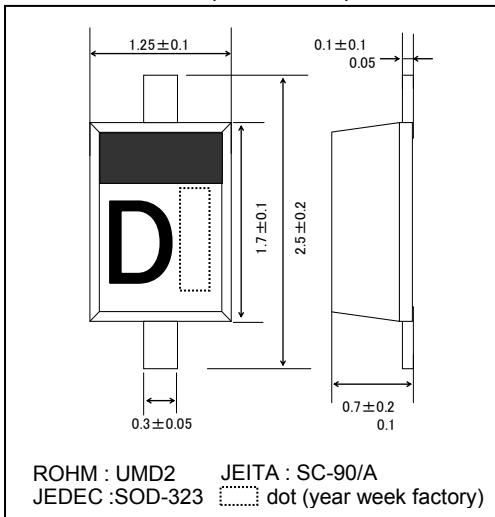
### ● Features

- 1) Small mold type. (UMD2)
- 2) Low  $V_F$
- 3) High reliability.

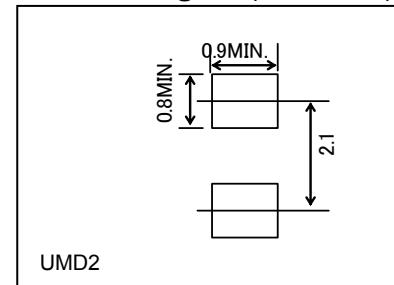
### ● Construction

Silicon epitaxial planar

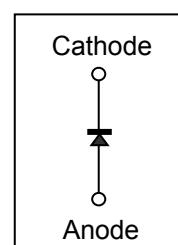
### ● Dimensions (Unit : mm)



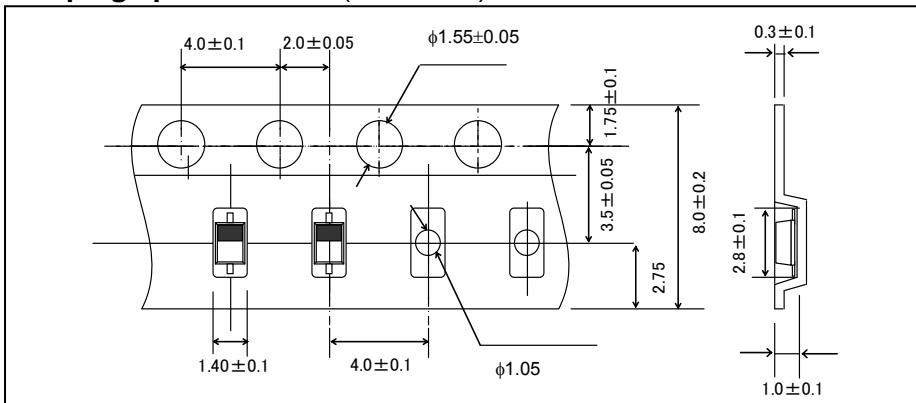
### ● Land size figure (Unit : mm)



### ● Structure



### ● Taping specifications (Unit : mm)



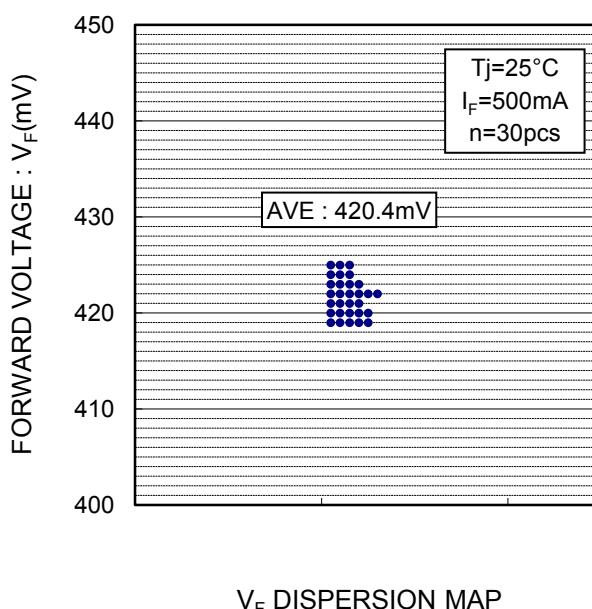
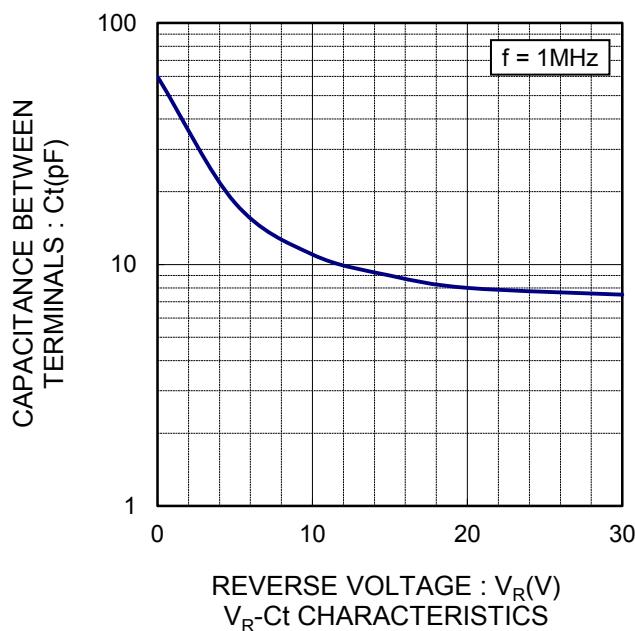
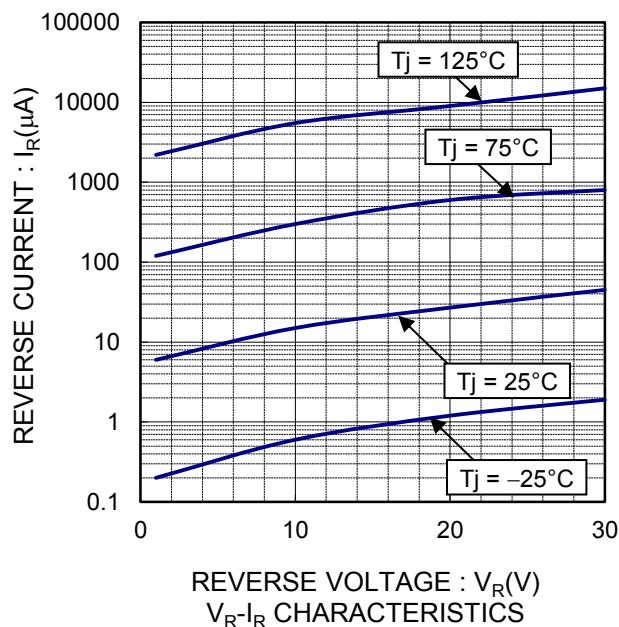
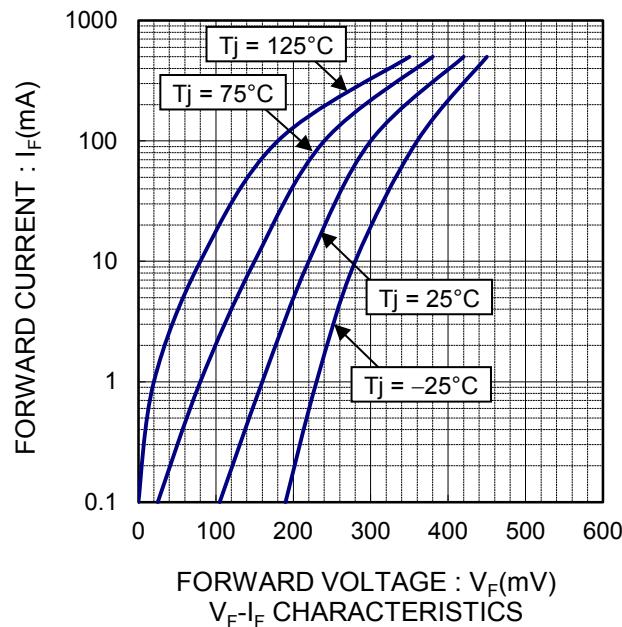
### ● Absolute maximum ratings (Ta= 25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	30	V
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current	$I_o$	500	A
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	2	A
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

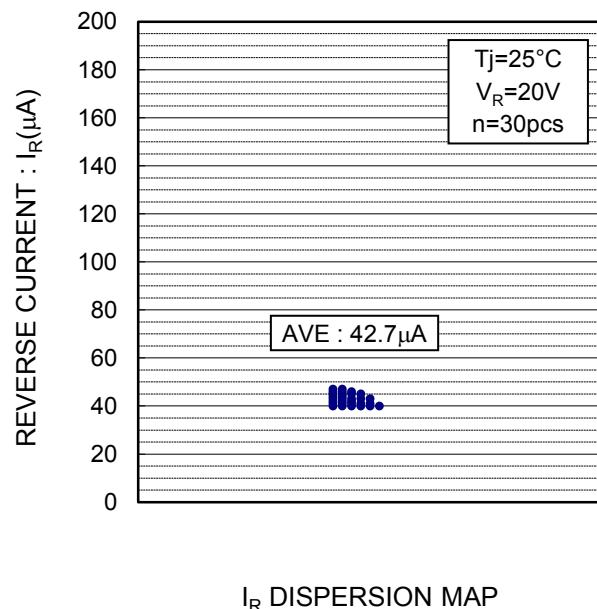
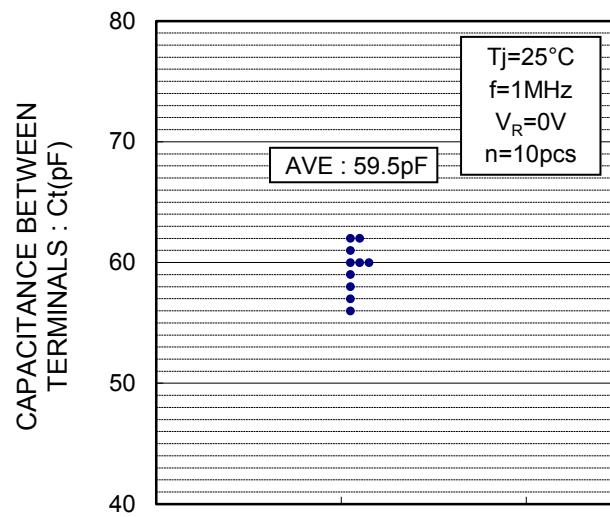
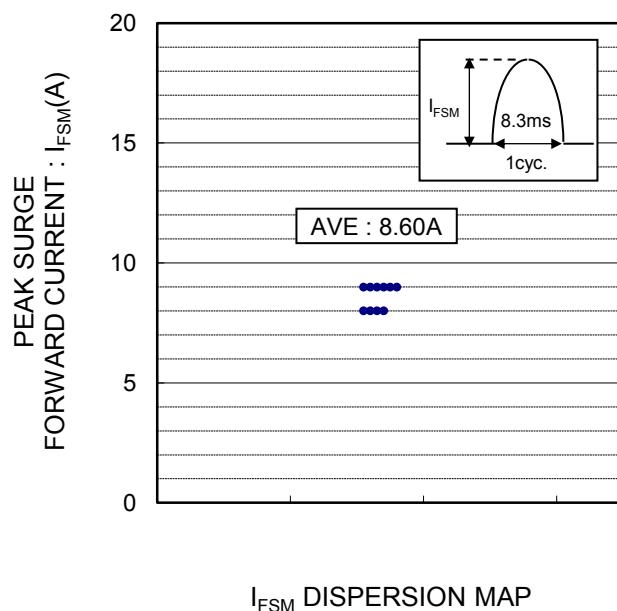
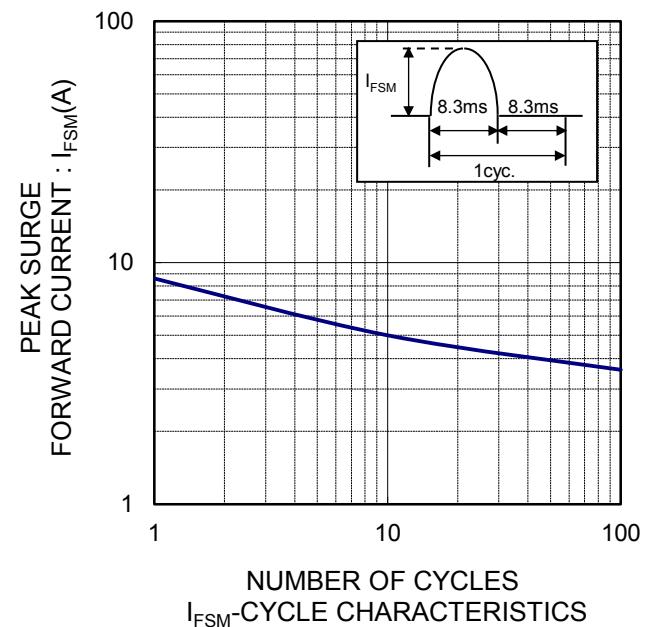
### ● Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F1$	-	-	0.36	V	$I_F=100mA$
	$V_F2$	-	-	0.47	V	$I_F=500mA$
Reverse current	$I_R$	-	-	100	μA	$V_R=20V$

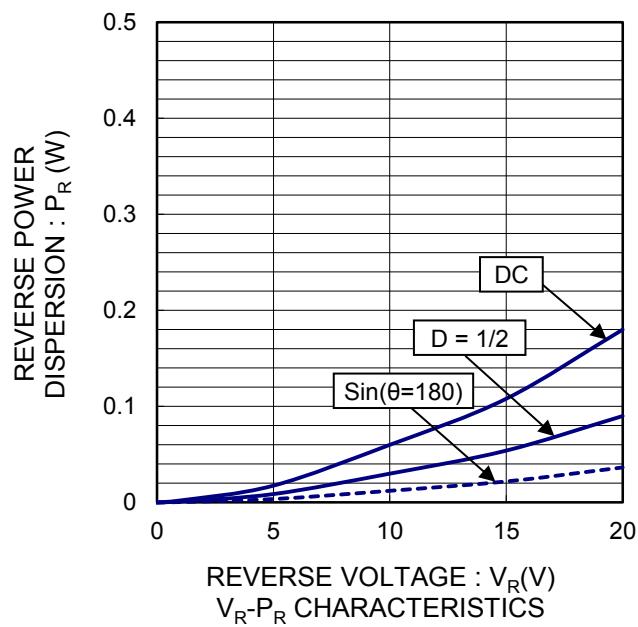
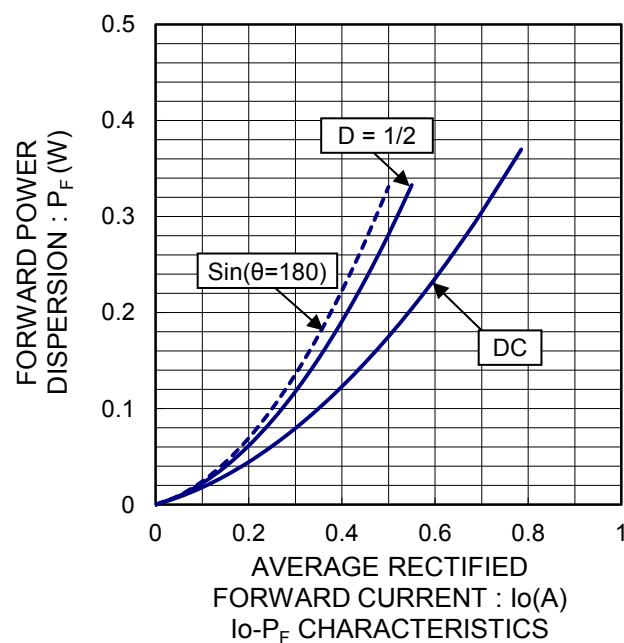
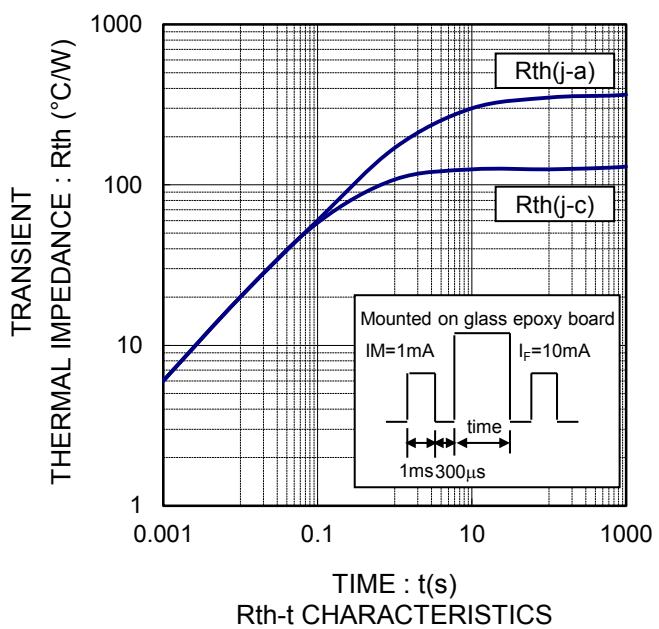
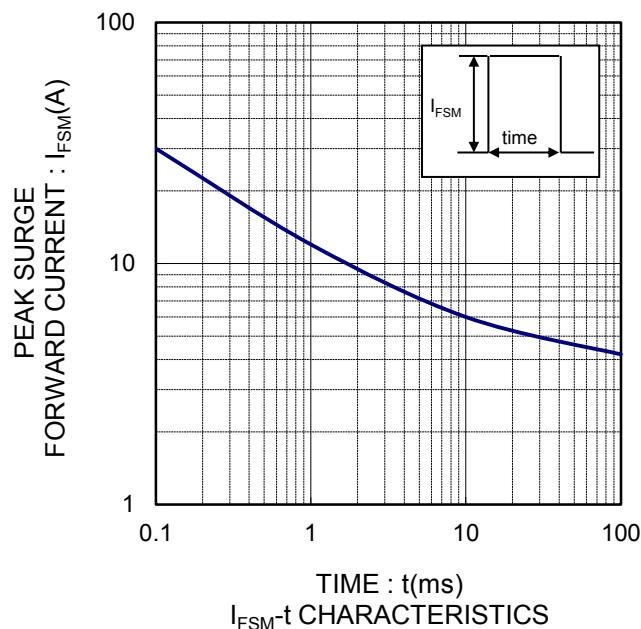
● Electrical characteristic curves



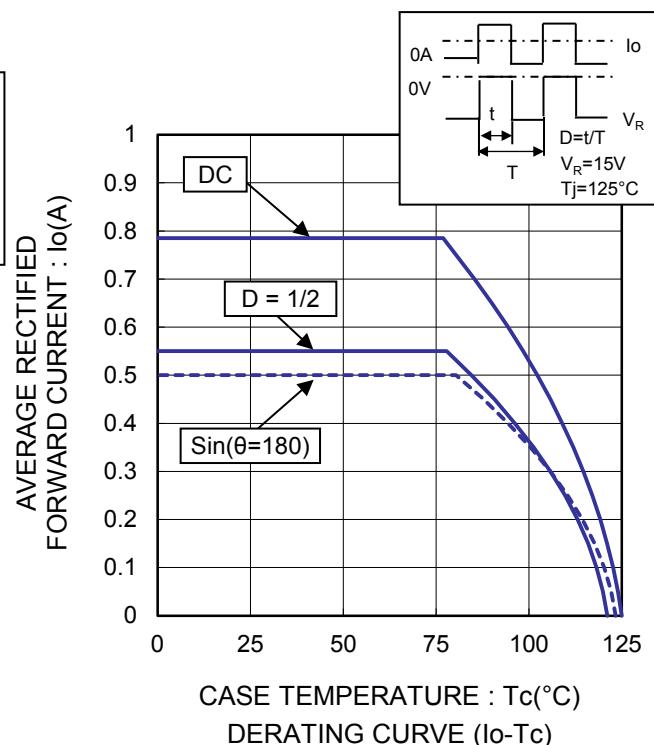
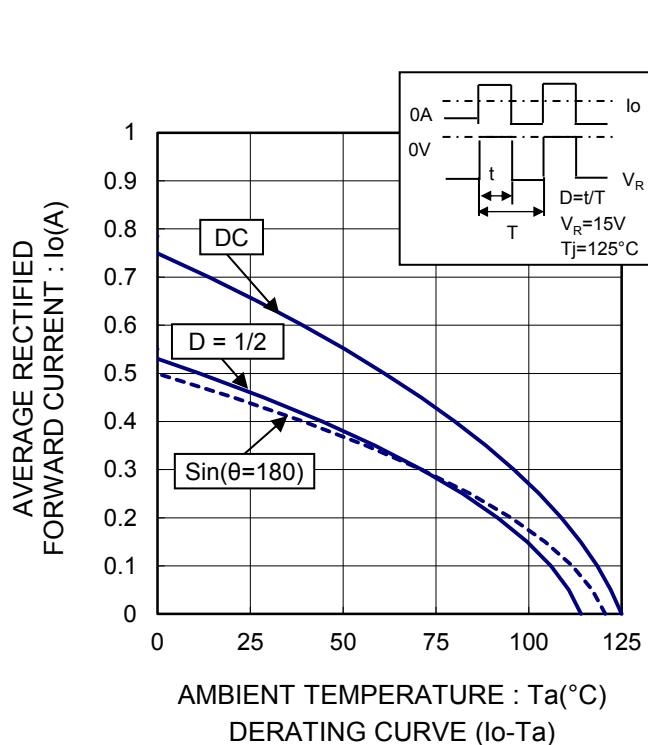
● Electrical characteristic curves

I<sub>R</sub> DISPERSION MAPC<sub>t</sub> DISPERSION MAPI<sub>FSM</sub> DISPERSION MAP

● Electrical characteristic curves



● Electrical characteristic curves



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