

Schottky Barrier Diode

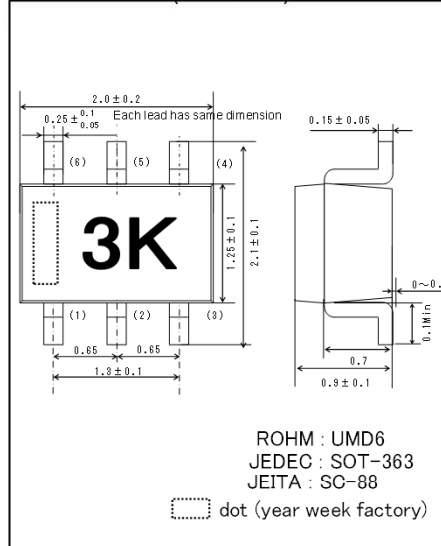
RB531XN

- Applications
Rectify small power

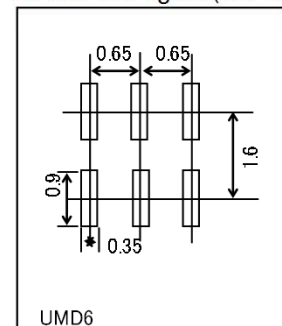
- Features
1) Small mold type.(UMD6)
2) Low V_F
3) High reliability

- Construction
Silicon epitaxial

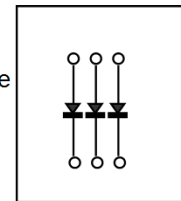
● Dimensions (Unit : mm)



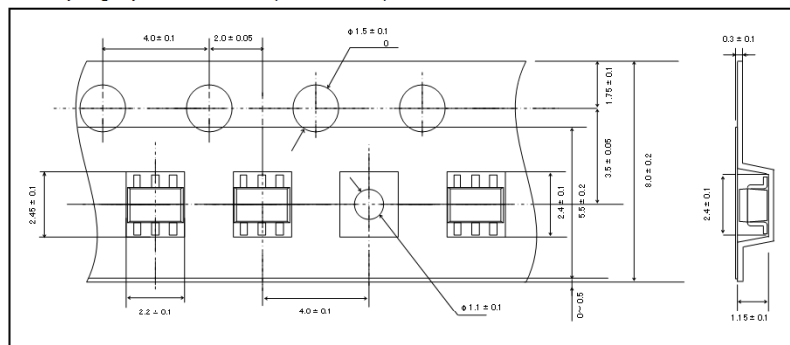
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)



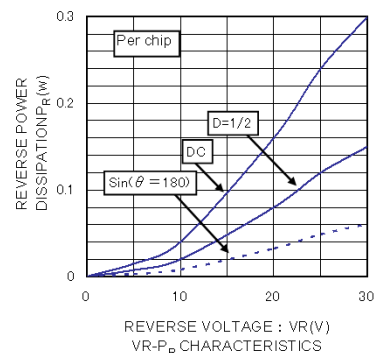
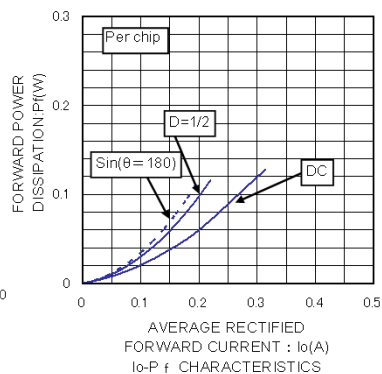
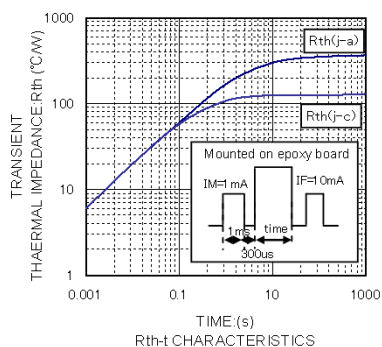
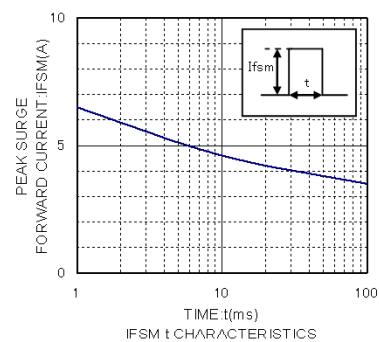
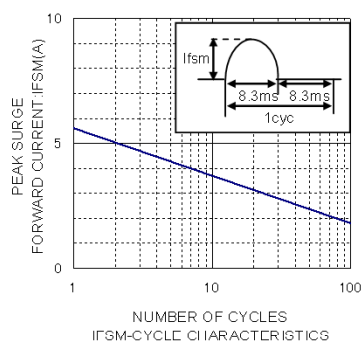
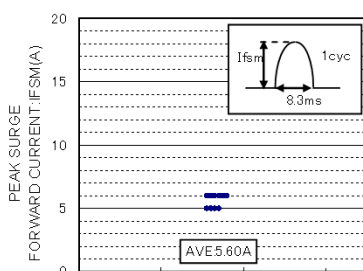
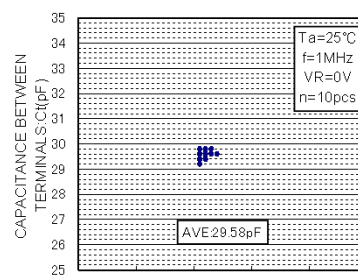
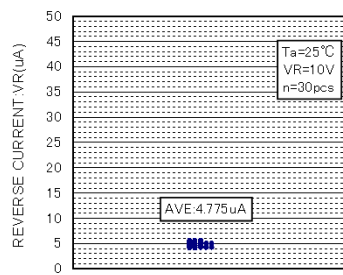
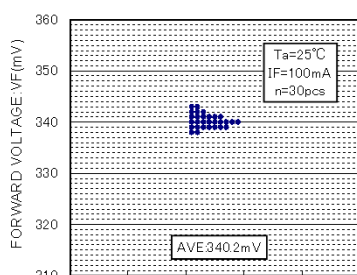
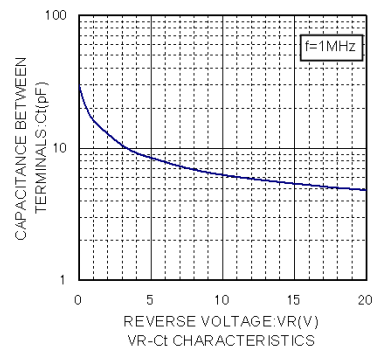
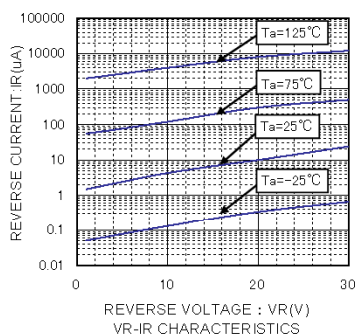
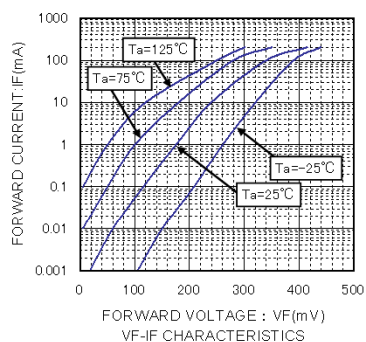
● Absolute maximum ratings (Ta=25°C)

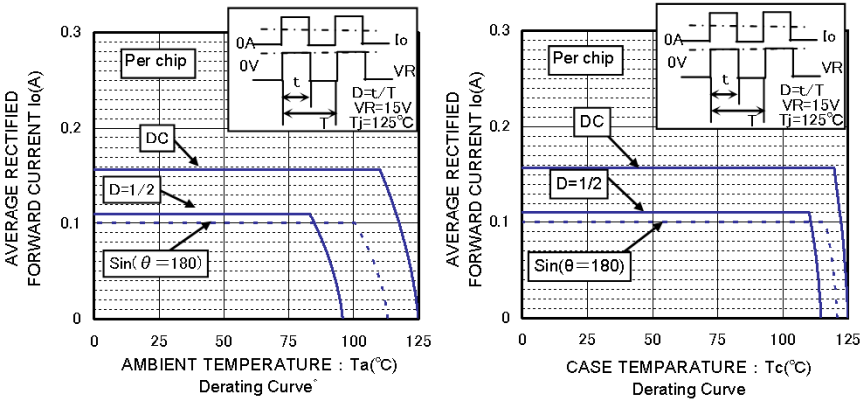
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	100	mA
Forward voltage surge peak (60Hz/1cyc)(*)1	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

(*1) Rating of per diode

● Electrical voltage (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	-	0.30	V	$I_F=10mA$
	V_{F2}	-	-	0.43	V	$I_F=100mA$
Reverse current	I_R	-	-	20	μA	$V_R=10V$





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