

RB520ZS-30

Diodes

Schottky Barrier Diode

RB520ZS-30

●Applications

General rectification

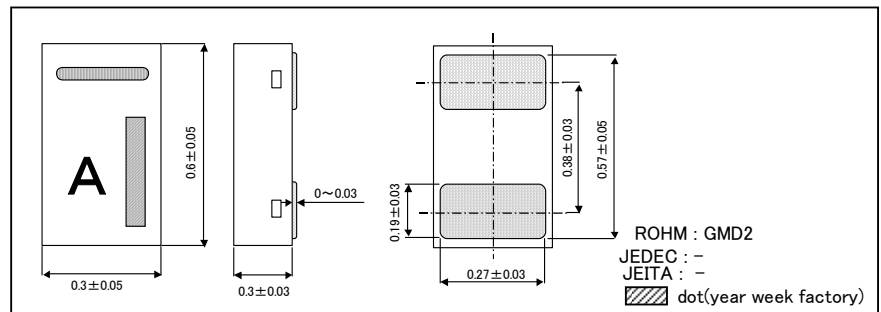
●Features

- 1) Ultra small mold type.(GMD2)
- 2) Low I_R
- 3) High reliability

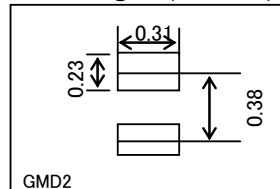
●Construction

Silicon epitaxial planar

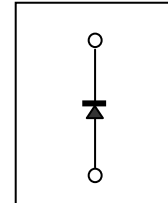
●Dimensions (Unit : mm)



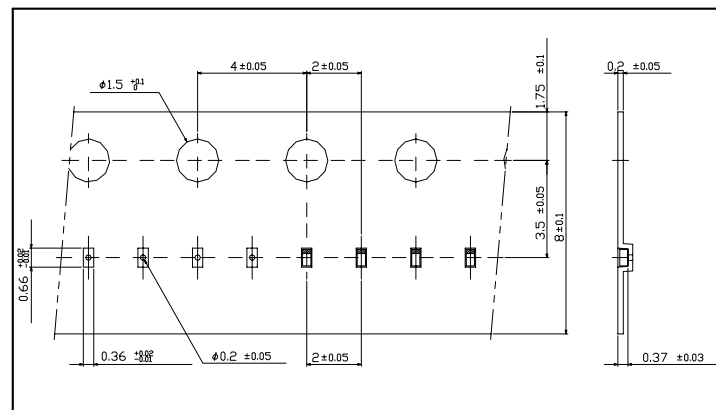
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)

●Absolute maximum ratings ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	100	mA
Forward current surge peak (60Hz·1cyc)	I_{FSM}	500	mA
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +150	$^\circ\text{C}$

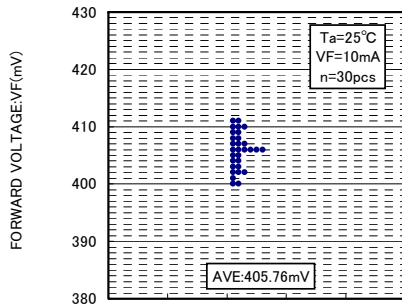
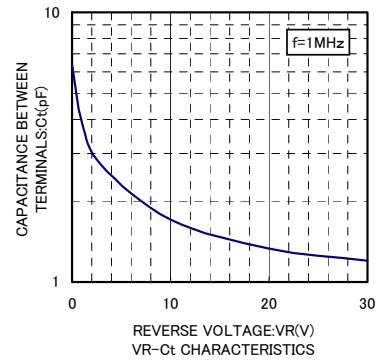
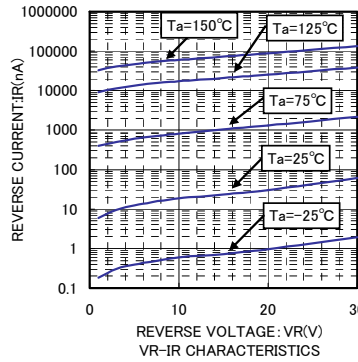
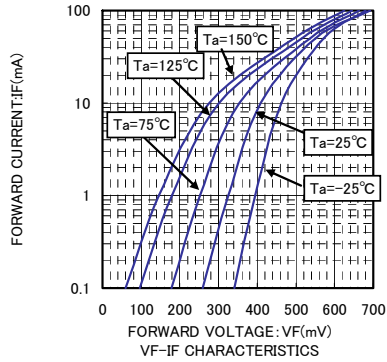
●Electrical characteristic ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.46	V	$I_F=10\text{mA}$
Reverse current	I_R	-	-	0.3	μA	$V_R=10\text{V}$

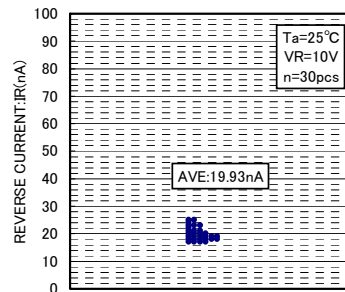
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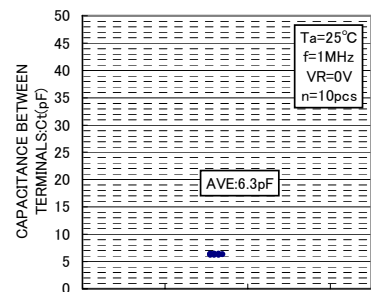
●Electrical characteristic curves



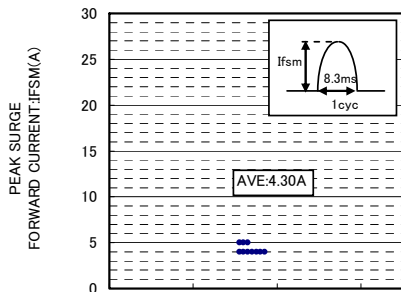
VF DISPERSION MAP



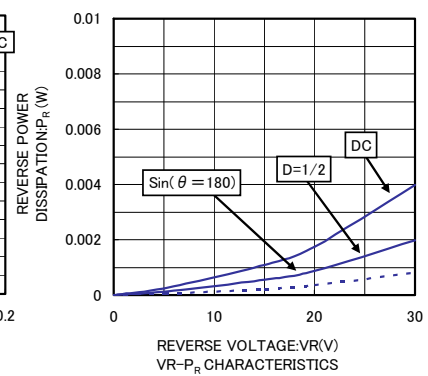
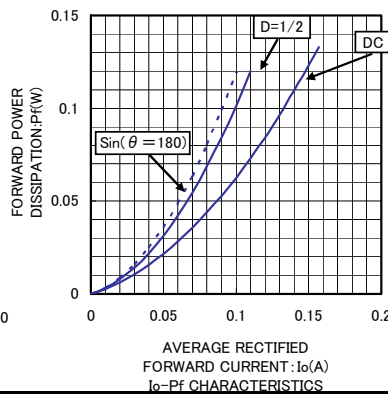
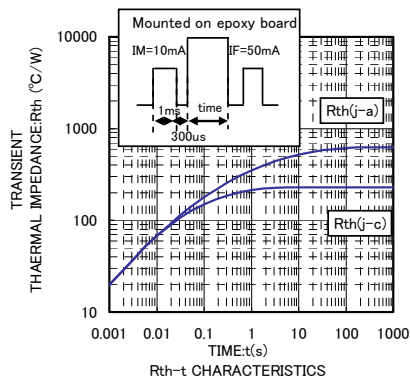
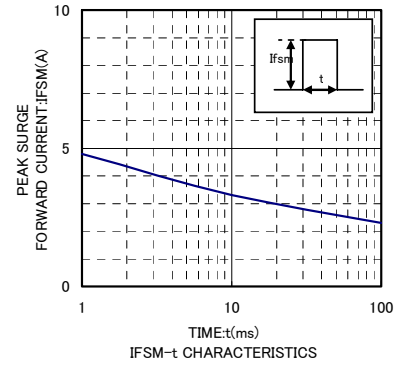
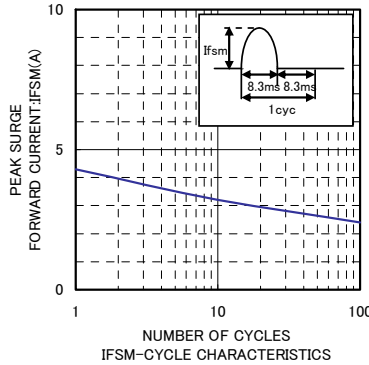
IR DISPERSION MAP



Ct DISPERSION MAP

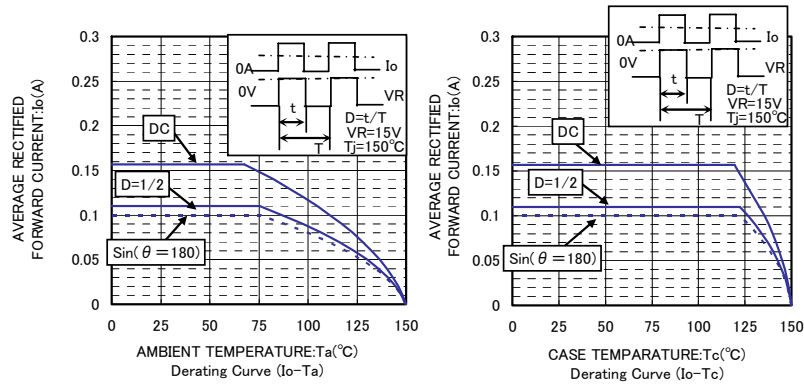


IFSM DISPERSION MAP



RB520ZS-30

Diodes



Appendix

Notes

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