

Schottky Barrier Diode

RB551SS-30

Applications

General Rectification

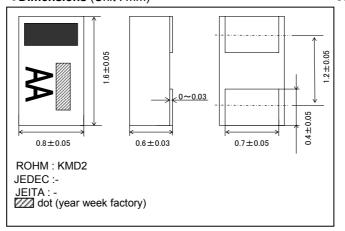
Features

1)Small mold type (KMD2) 2)High reliability 3)Low V_{F}

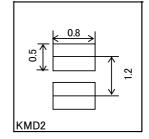
Construction

Silicon epitaxial planer

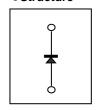
●Dimensions (Unit:mm)



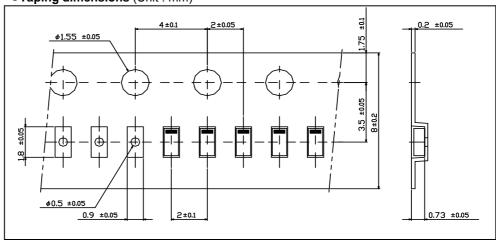
●Land size figure (Unit : mm)



Structure



●Taping dimensions (Unit : mm)

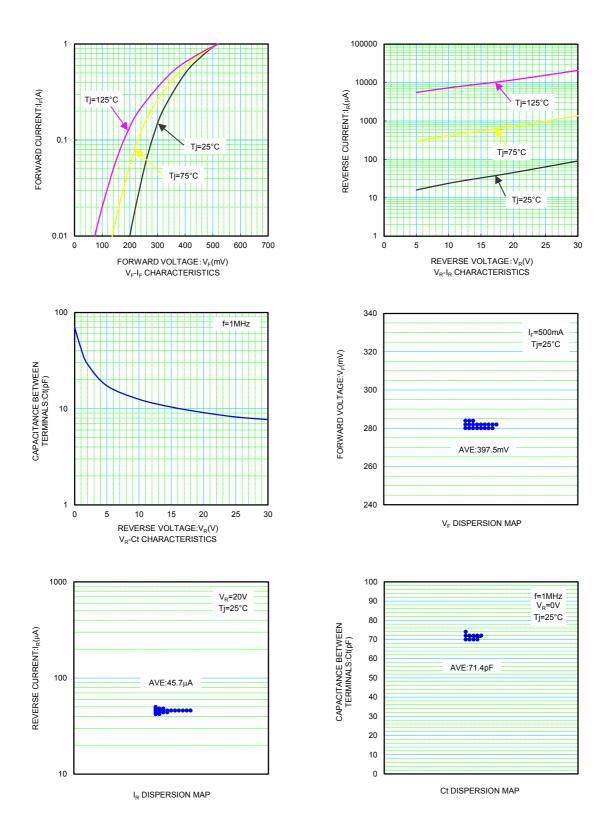


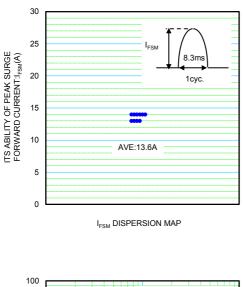
●Absolute maximum ratings (Ta=25°C)

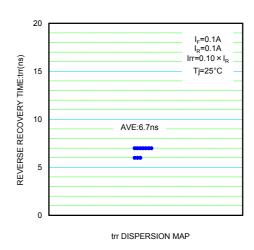
Parameter	Symbol	Limits	Unit			
Reverse voltage (repetitive peak)	V _{RM} 30		V			
Reverse voltage (DC)	V_R	20	V			
Average rectified forward current	lo	0.5	А			
Forward current surge peak(60Hz·1cyc.)	I _{FSM}	5	Α			
Junction temperature	Tj	125	°C			
Storage temperature	Tstg	-40 to +125	°C			

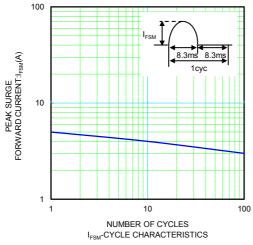
●Electrical characteristics (Ta=25°C)

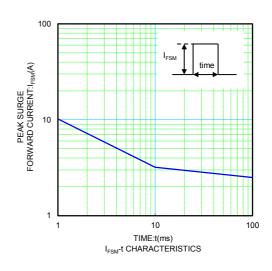
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F1}	-	-	0.36	V	I⊧=100mA
	VF2	-	-	0.47	V	I _F =500mA
Reverse current	lR	-	-	100	μA	V _R =20V

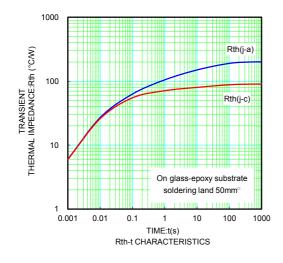


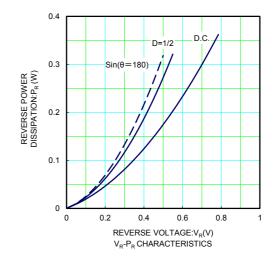


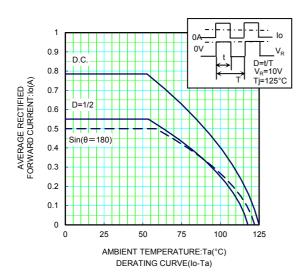


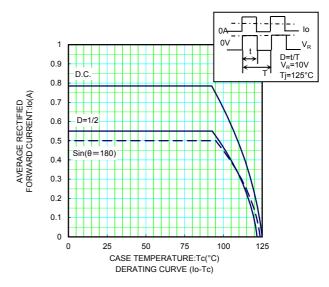


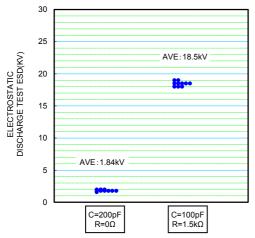












ESD DISPERSION MAP

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