

Band switching diode

1SS390

●Application

High frequency switching

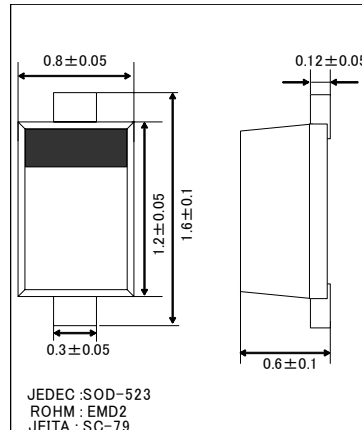
●Features

- 1) Ultra small mold type. (EMD2)
- 2) High reliability

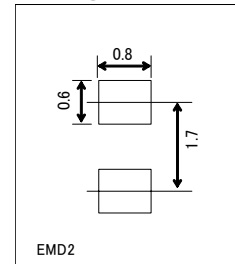
●Construction

Silicon epitaxial planer

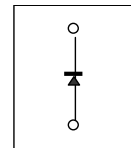
●Dimensions (Unit : mm)



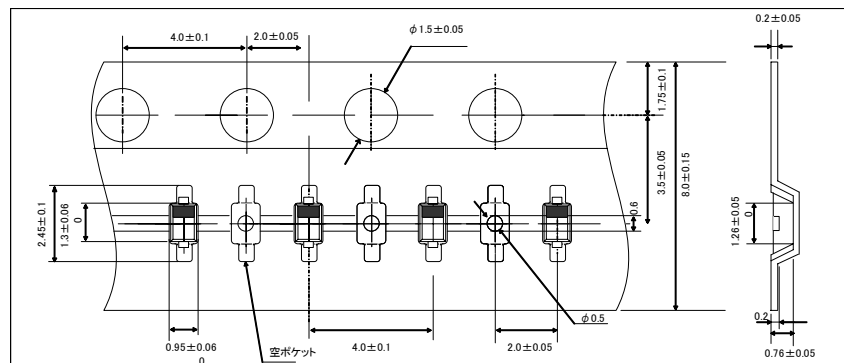
●Lead size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

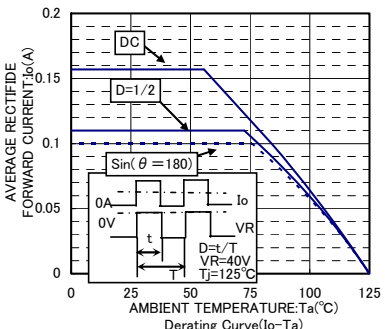
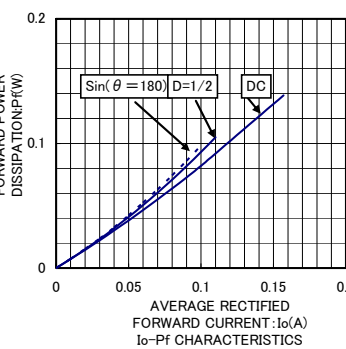
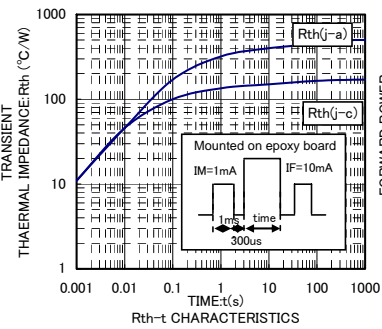
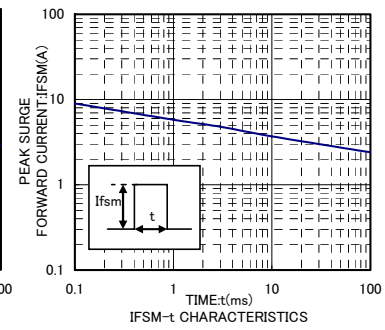
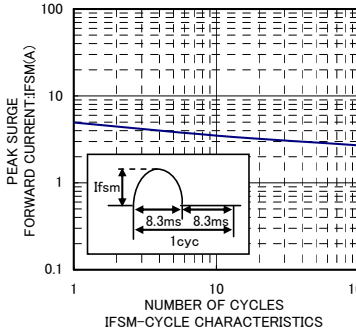
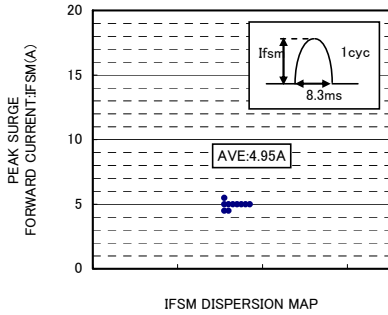
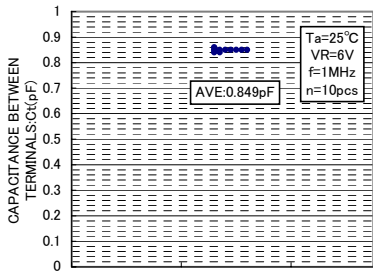
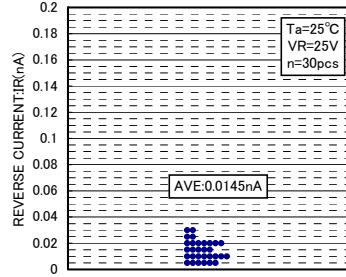
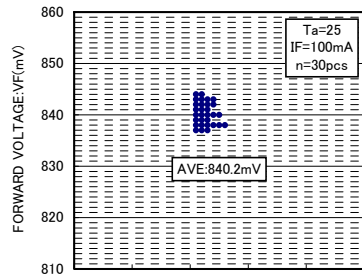
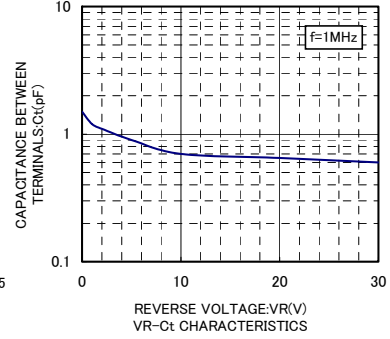
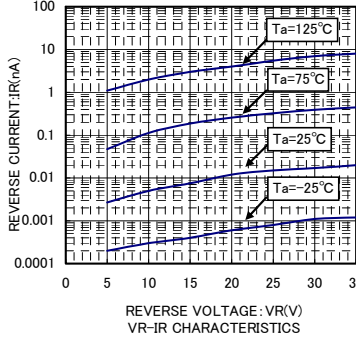
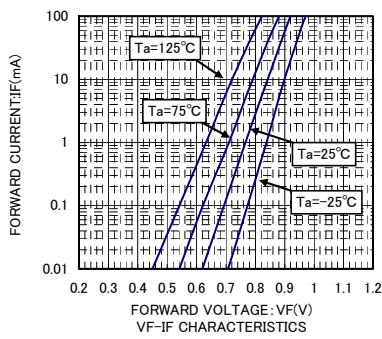
Parameter	Symbol	Limits	Unit
Forward current	I_F	100	mA
Forward voltage	V_R	35	V
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

●Electrical characteristics (Ta=25°C)

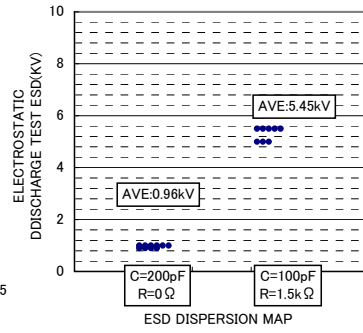
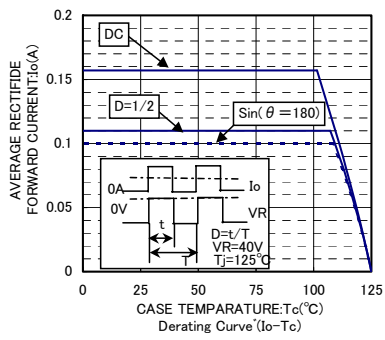
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.0	V	$I_F=10\text{mA}$
Reverse current	I_R	-	-	10	nA	$V_R=25\text{V}$
Capacitance between terminals	C_t	-	-	1.2	pF	$V_R=6\text{V}$, $f=1\text{MHz}$
Forward operating resistance	r_f	-	-	0.9	Ω	$I_F=2\text{mA}$, $f=100\text{MHz}$, $R_L=100\Omega$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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