Band Switching Diode

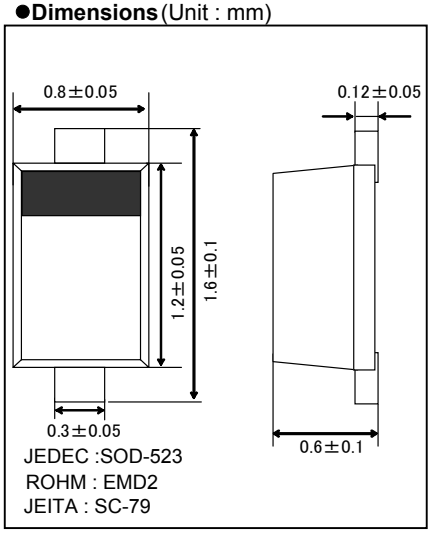
1SS390

●**Applications**
High frequency switching

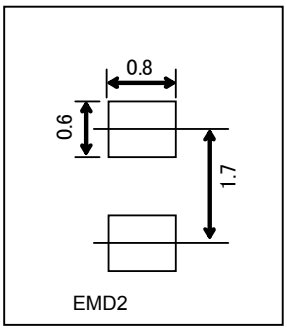
●**Features**
1)Ultra small mold type. (EMD2)
2)High reliability

●**Construction**
Silicon epitaxial

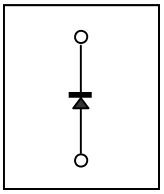
●**Dimensions** (Unit : mm)



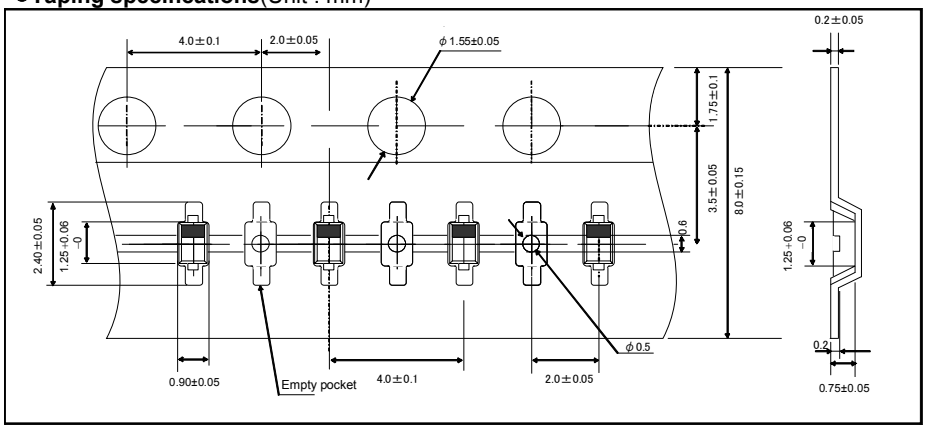
●**Land size figure** (Unit : mm)



●**Structure**



●**Taping specifications** (Unit : mm)



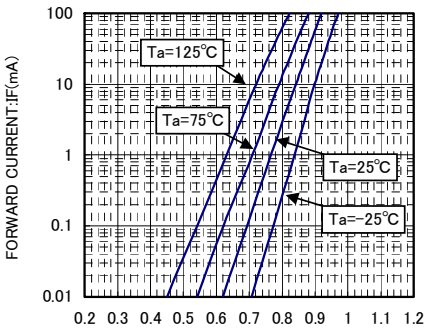
●**Absolute maximum ratings** (Ta=25°C)

Parameter	Symbol	Limits	Unit
Forward current (DC)	I_F	100	mA
Reverse voltage (DC)	V_R	35	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

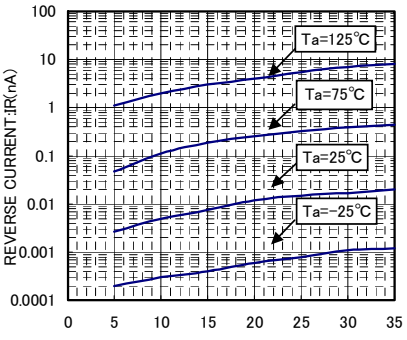
●**Electrical characteristics** (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.0	V	I_F=10mA
Reverse current	I_R	-	-	10	nA	V_R=25V
Capacitance between terminals	Ct	-	-	1.2	pF	V_R=6V , f=1MHz
Forward operating resistance	rf	-	-	0.9	Ω	I_F=2mA , f=100MHz , RL=100Ω

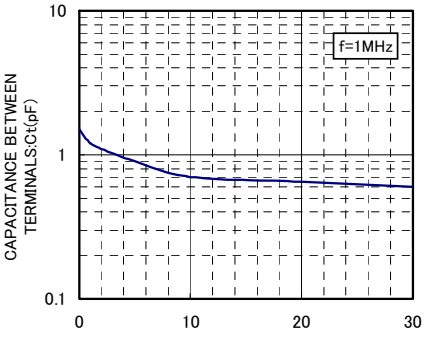
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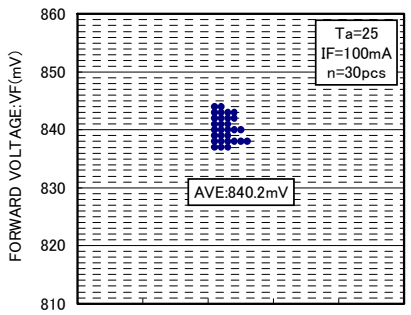
VF-IF CHARACTERISTICS



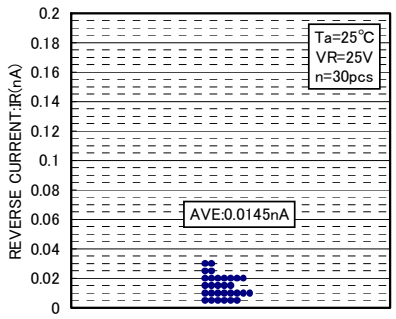
VR-IR CHARACTERISTICS



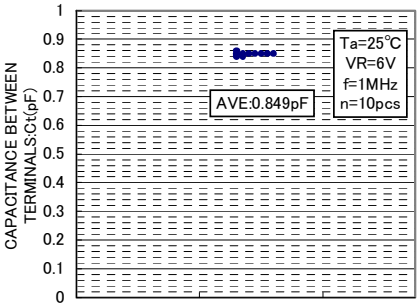
VR-Ct CHARACTERISTICS



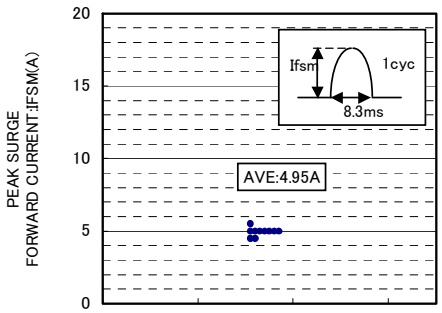
VF DISPERSION MAP



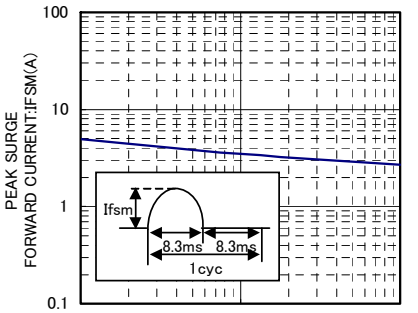
IR DISPERSION MAP



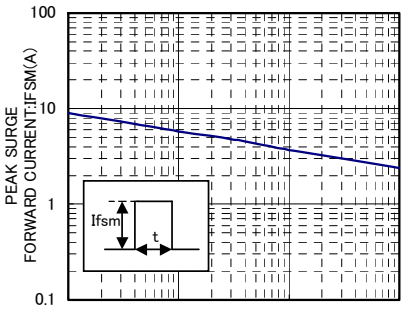
Ct DISPERSION MAP



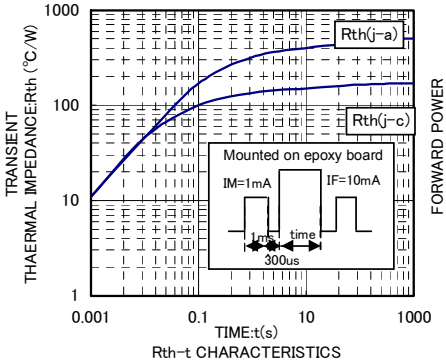
IFSM DISPERSION MAP



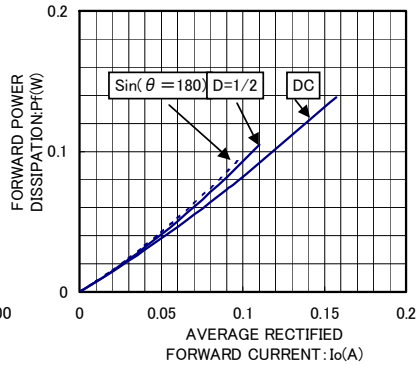
IFSM-CYCLE CHARACTERISTICS



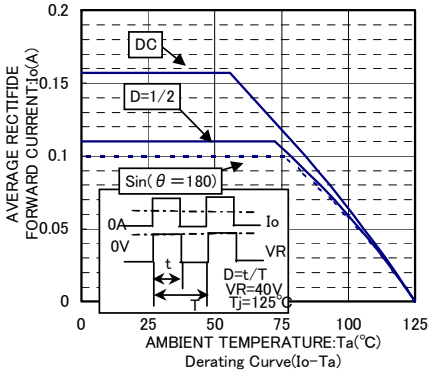
IFSM-t CHARACTERISTICS



Rth-t CHARACTERISTICS

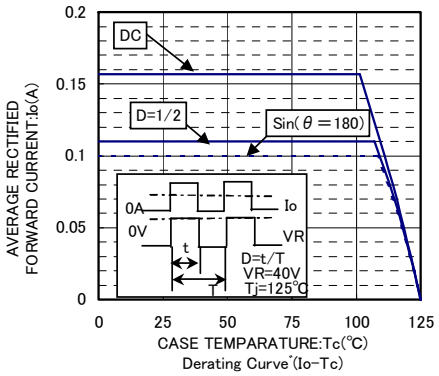


Io-Pf CHARACTERISTICS

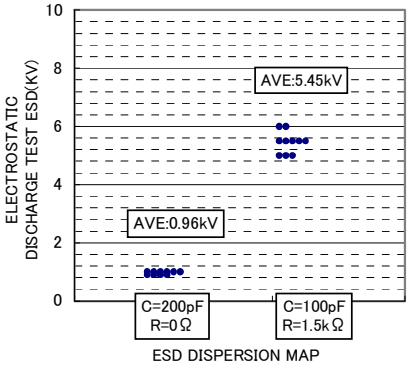


Derating Curve(Io-Ta)

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Derating Curve(Io-Tc)



ESD DISPERSION MAP

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