

Switching Diode

DA380U

●Applications

Switching(Low leakage current)

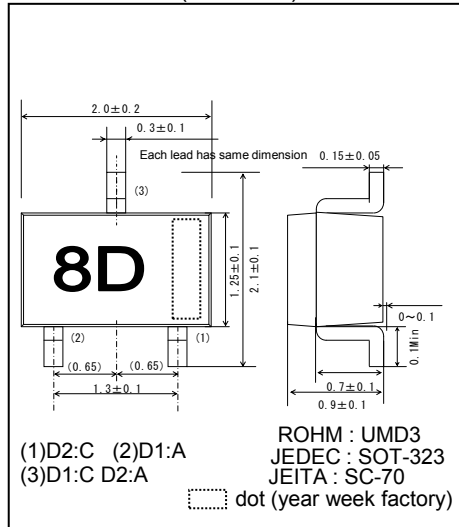
●Features

- 1) Ultra small mold type. (UMD3)
- 2) High reliability

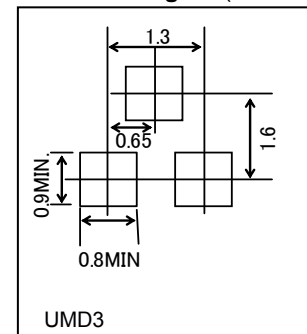
●Construction

Silicon epitaxial planer

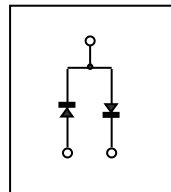
●Dimensions (Unit : mm)



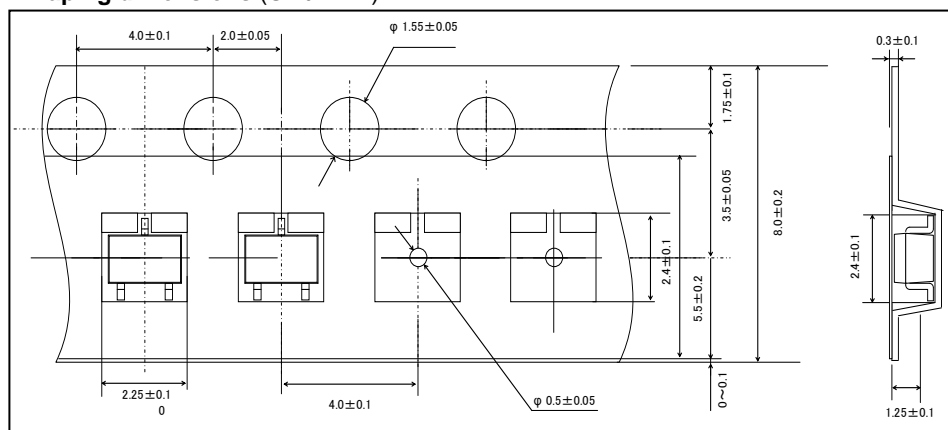
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)

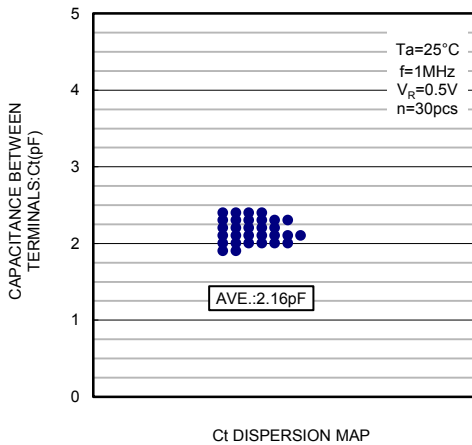
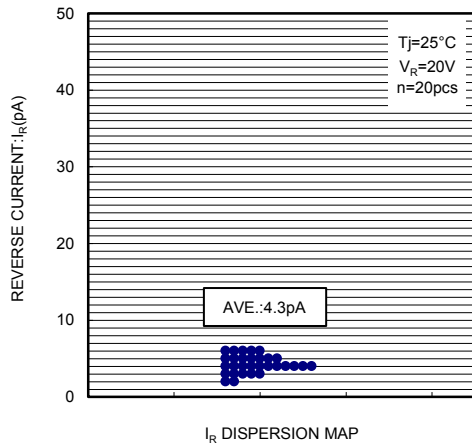
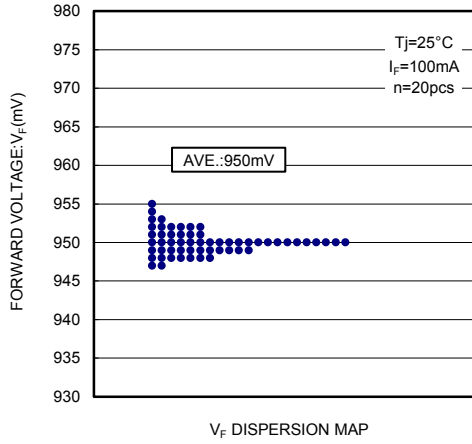
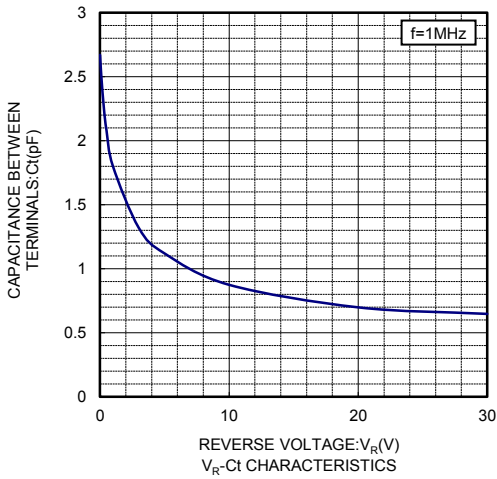
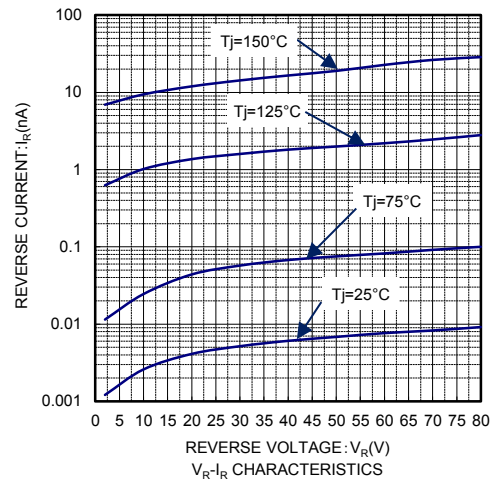
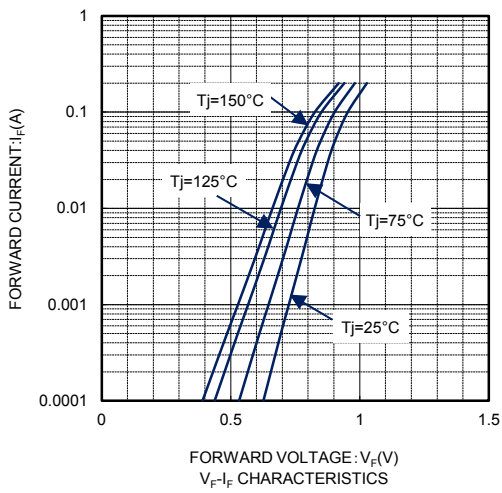


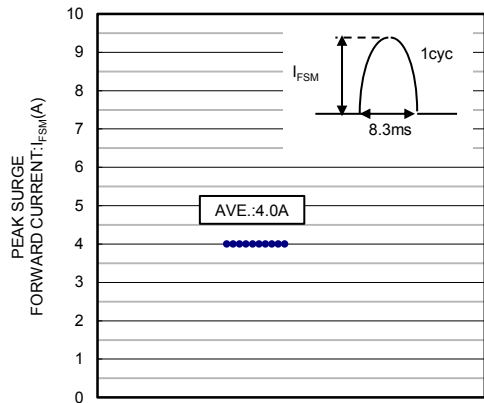
●Absolute maximum ratings (Tj=25°C)

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	80	V
Reverse voltage (DC)	V_R	80	V
Peak forward current	I_{FM}	225	mA
Average rectified current	I_o	100	mA
Surge current (t=1us)	I_{surge}	4	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

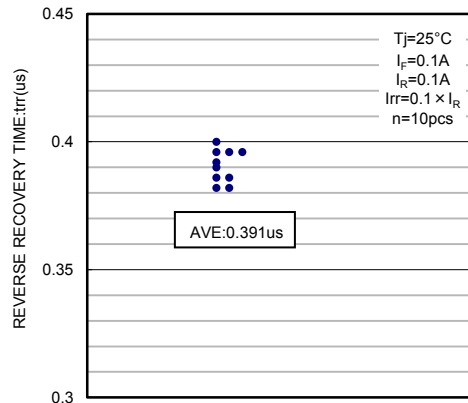
●Electrical characteristics (Tj=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.2	V	$I_F=100mA$
Reverse current	I_R	-	-	10	nA	$V_R=20V$
Capacitance between terminals	C_t	-	-	5.0	pF	$V_R=0.5V, f=1MHz$

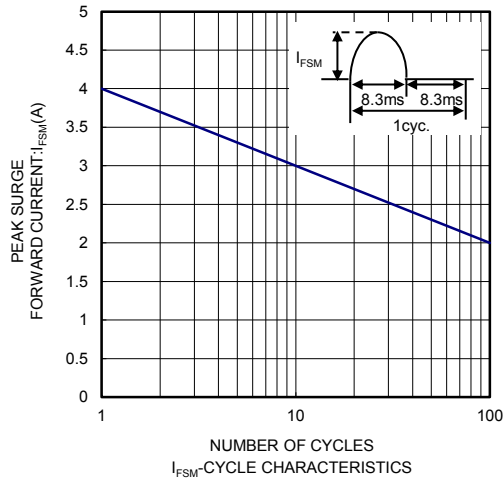




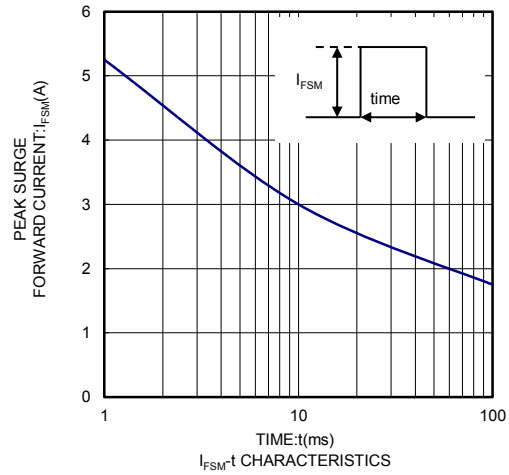
I_{FSM} DISPERSION MAP



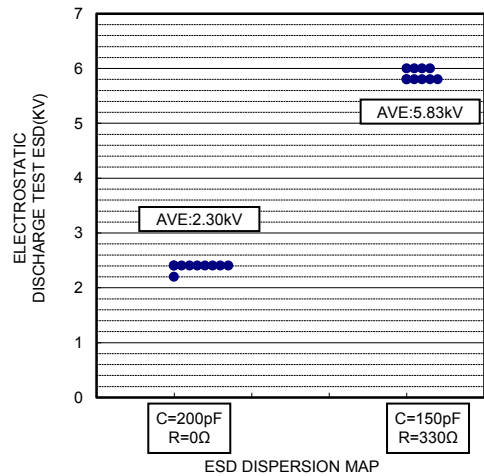
trr DISPERSION MAP



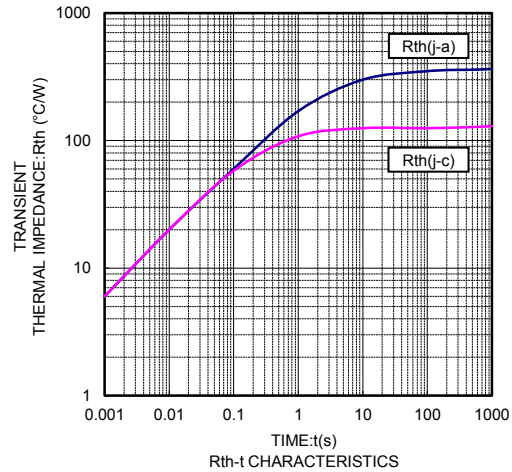
I_{FSM} -CYCLE CHARACTERISTICS



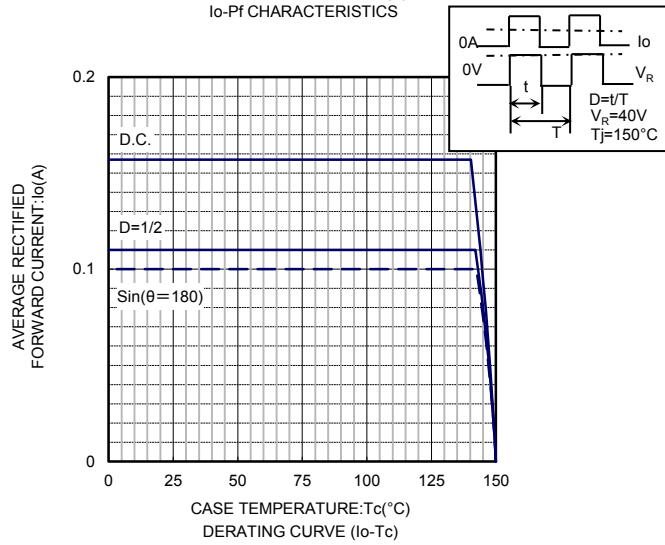
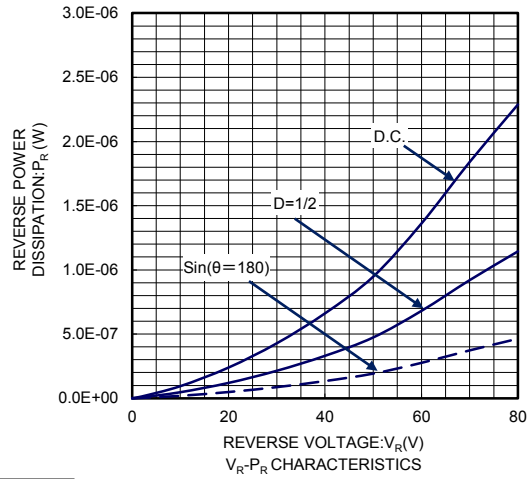
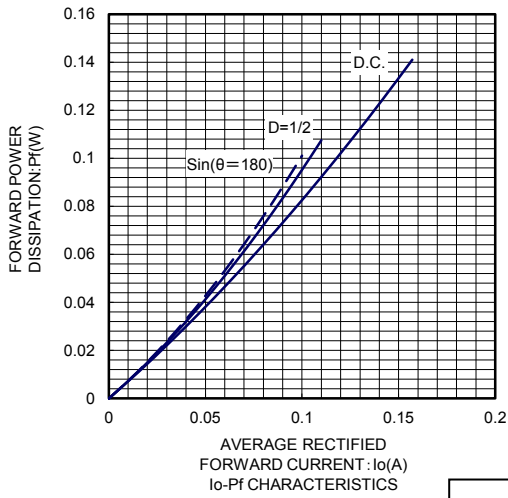
I_{FSM} -t CHARACTERISTICS



ESD DISPERSION MAP



R_{th} -t CHARACTERISTICS



Notes

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