1SS355 Datasheet

Application

High speed switching

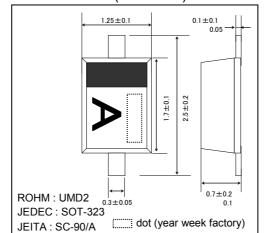
Features

- Ultra small mold type.
 (UMD2)
- 2) High reliability.

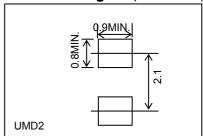
Construction

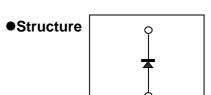
Silicon epitaxial planar

● Dimensions (Unit: mm)

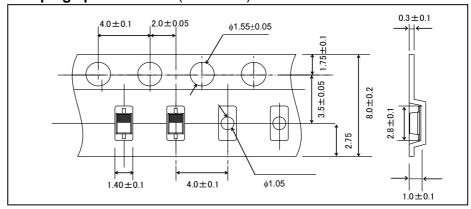


●Land size figure (Unit : mm)





● Taping specifications (Unit: mm)

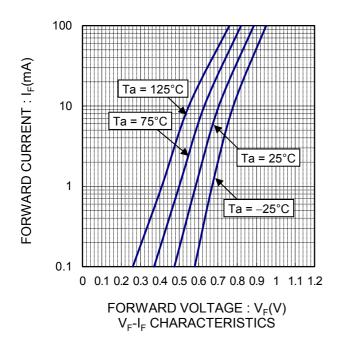


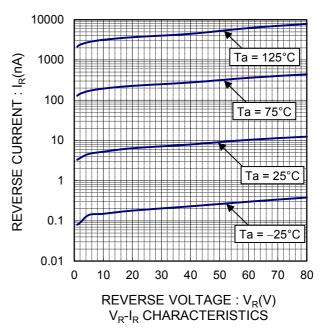
● Absolute maximum ratings (Ta= 25°C)

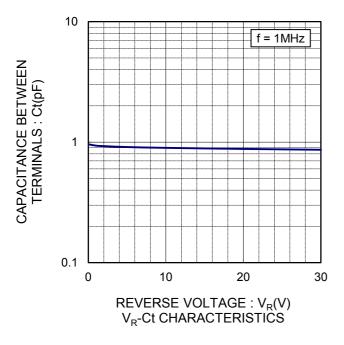
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	90	V
Reverse voltage (DC)	V_R	80	V
Forward current	I _{FM}	225	mA
Average rectified forward current	lo	100	mA
Surge current (t=1s)	I _{surge}	500	mA
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to +150	°C

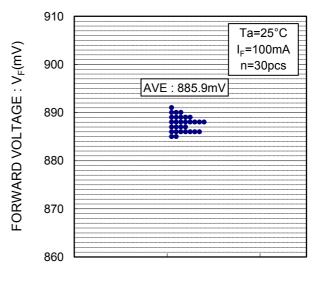
●Electrical characteristics (Ta = 25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	1.2	V	I _F =100mA
Reverse current	I _R	-	-	0.1	μА	V _R =80V
Capacitance between terminals	Ct	-	-	3	pF	V _R =0.5V, f=1MHz
Reverse recovery time	trr	-	1	4	ns	V_R =6V, I_F =10mA,RL=100 Ω

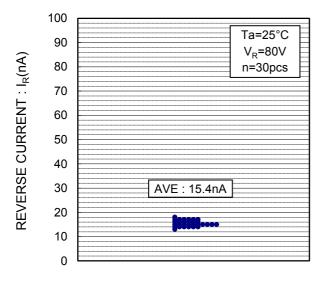


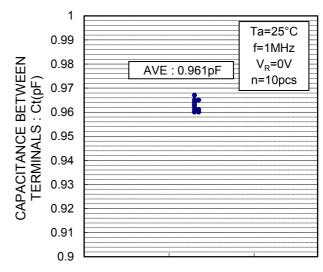






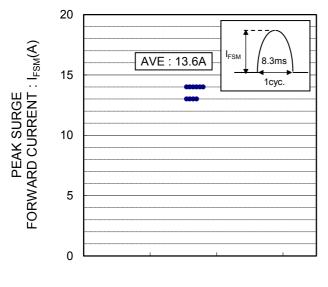
V_F DISPERSION MAP



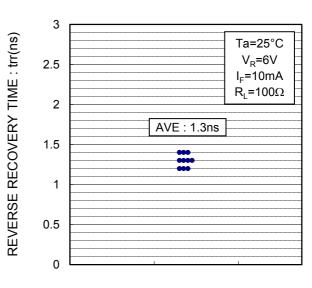


I_R DISPERSION MAP

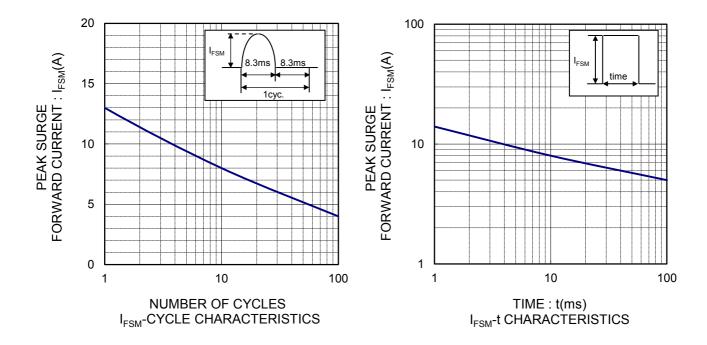
Ct DISPERSION MAP

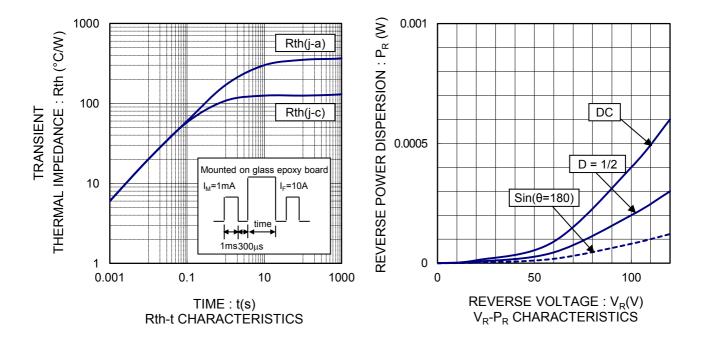


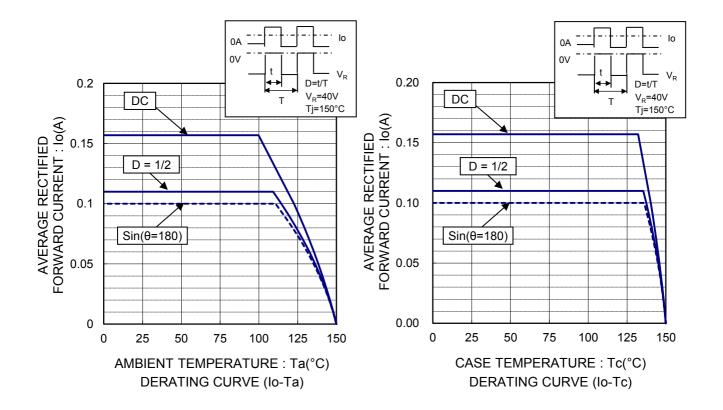
I_{FSM} DISPERSION MAP

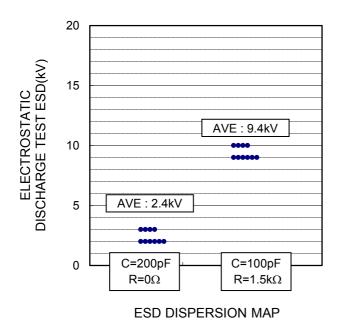


trr DISPERSION MAP









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