# Switching Diode

1SS355VM Datasheet

#### Applications

High frequency switching

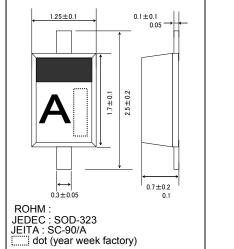
#### Features

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

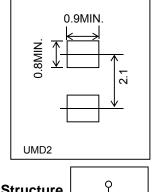
#### **●**Construction

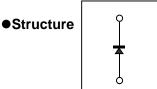
Silicon epitaxial planer

## ●Dimensions (Unit : mm)

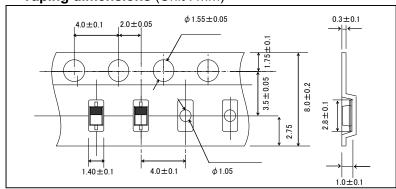


●Land size figure (Unit : mm)





#### ●Taping dimensions (Unit: mm)

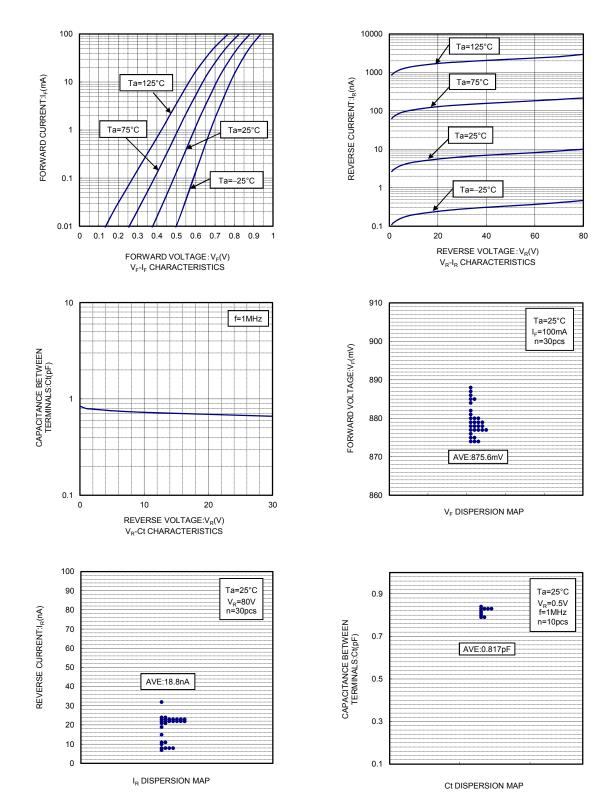


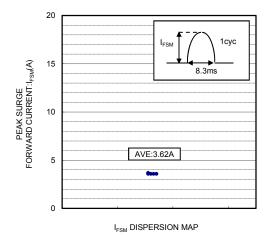
#### ● Absolute maximum ratings (Ta=25°C)

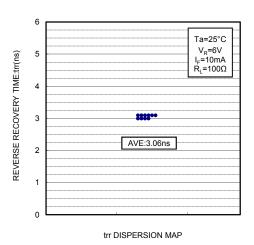
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	90	V
Reverse voltage (DC)	$V_R$	80	V
Forward current	I <sub>FM</sub>	225	mA
average rectified forward current	lo	100	mA
Surge current (t=1s)	I <sub>surge</sub>	500	mA
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to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

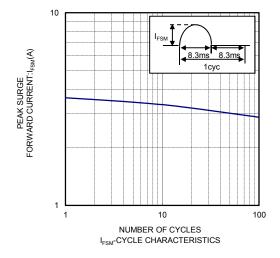
#### ●Electrical characteristics (Tj=25°C)

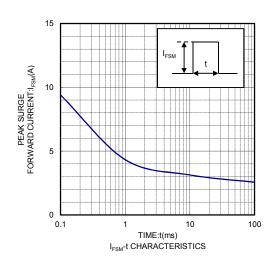
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	1	-	1.2	V	I <sub>F</sub> =100mA
Reverse current	$I_R$	ı	1	0.1	μA	V <sub>R</sub> =80V
Capacitance between terminals	Ct	1	ı	3	pF	V <sub>R</sub> =0.5V , f=1MHz
Reverse recovery time	trr	ı	-	4	ns	$V_R$ =6 $V$ , $I_F$ =10 $mA$ , $R_L$ =100 $\Omega$

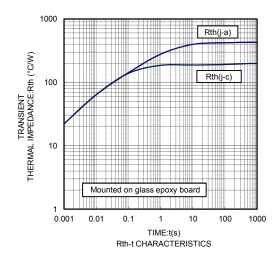


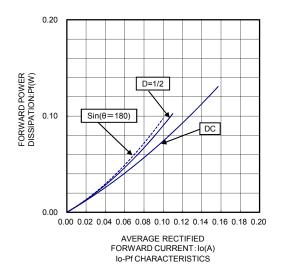


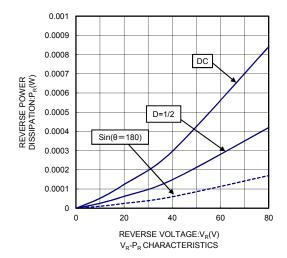


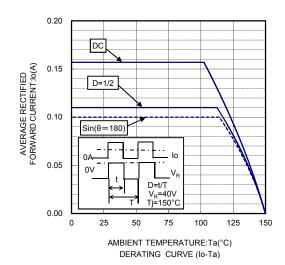


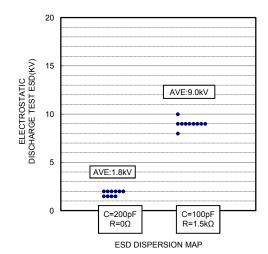












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