

# **Switching Diode**

# **1SS355**

## Applications

High speed switching

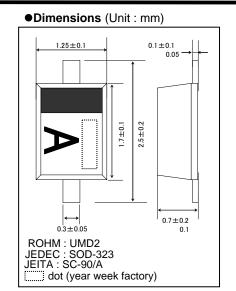
#### Features

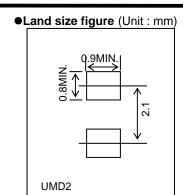
1)Ultra small mold type. (UMD2)

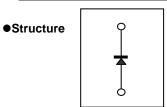
2)High reliability

#### Construction

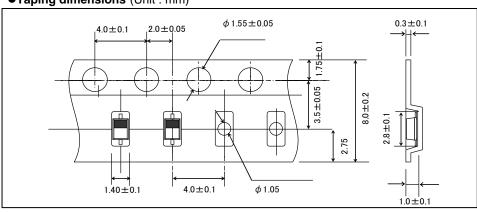
Silicon epitaxial planar







●Taping dimensions (Unit : mm)

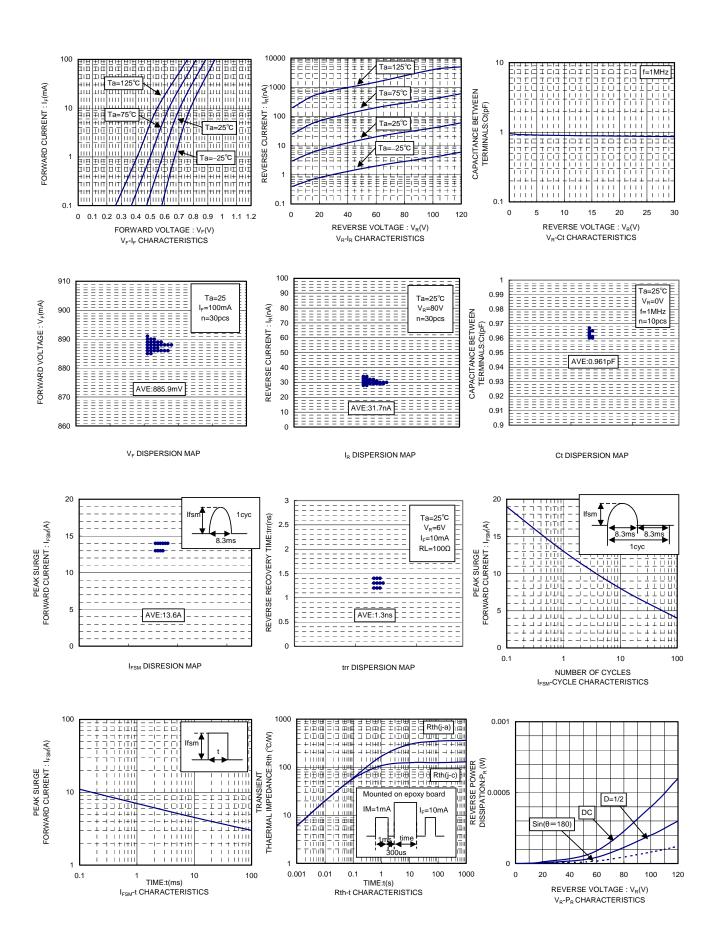


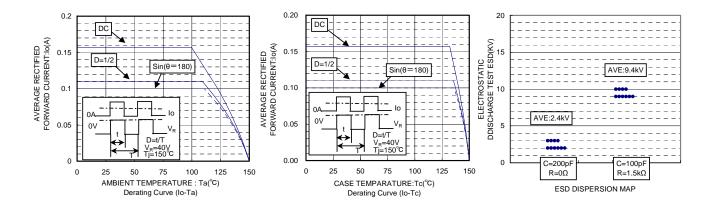
## ●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	90	V
Reverse voltage (DC)	$V_R$	80	V
Forward current	$I_{FM}$	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 (Ta=25°C)

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





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