

# Band switching diode

## 1SS356

### ●Applications

High frequency switching

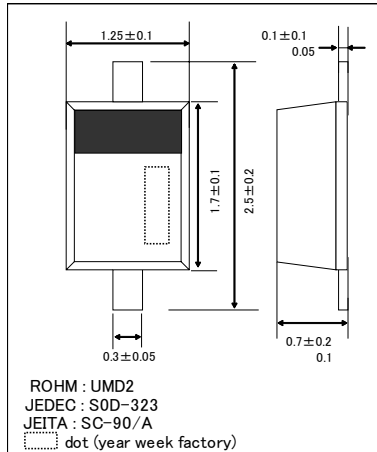
### ●Features

- 1) Small mold type. (UMD2)
- 2) High reliability.

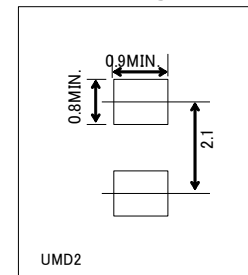
### ●Construction

Silicon epitaxial planar

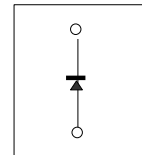
### ●External dimensions (Unit : mm)



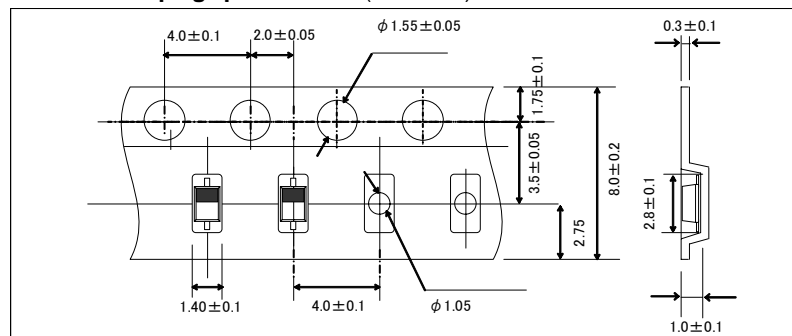
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)



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

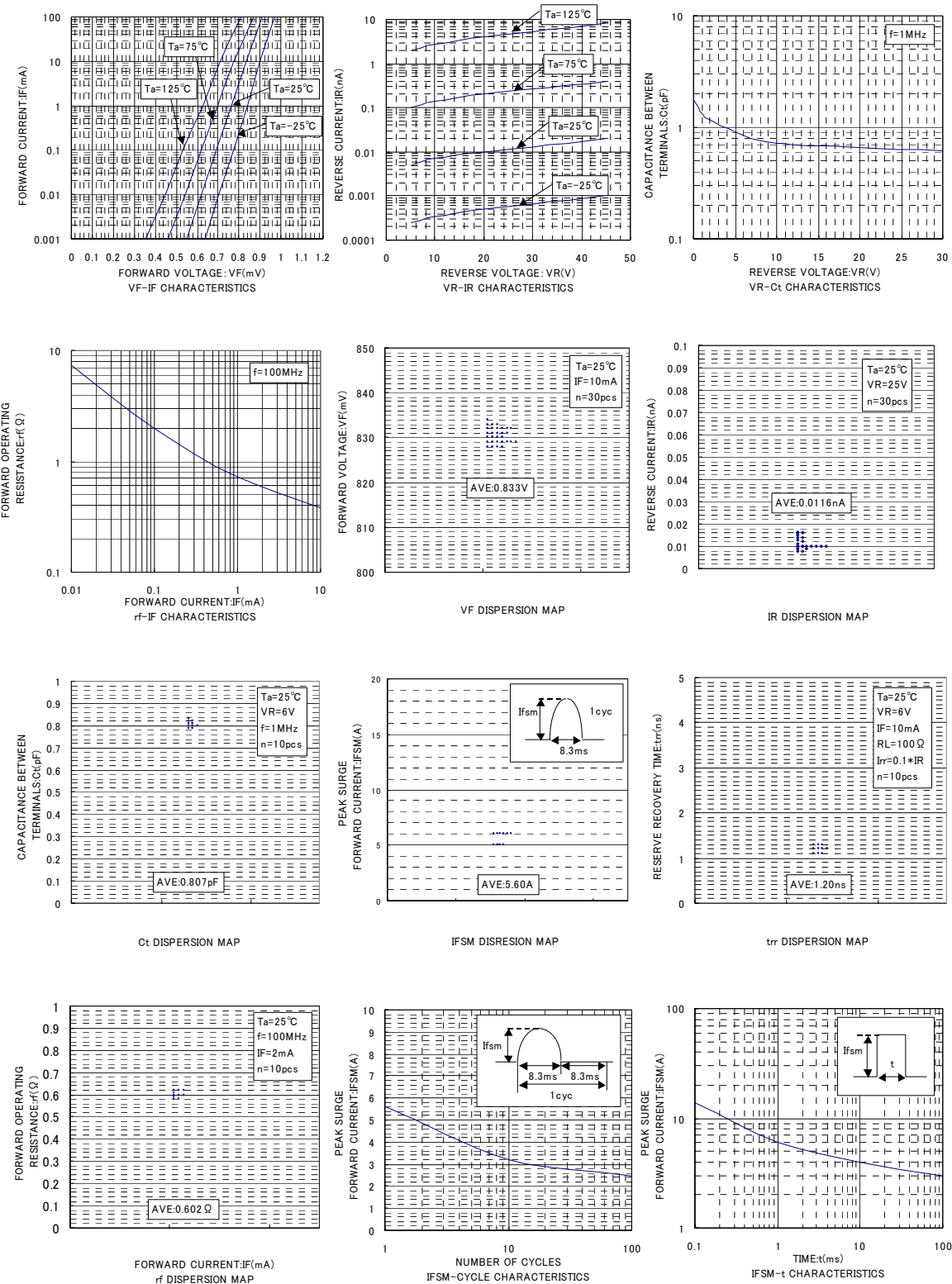
Parameter	Symbol	Limits	Unit
Forward current (DC)	$I_F$	100	mA
Reverse voltage (DC)	$V_R$	35	V
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-55 to +125	°C

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

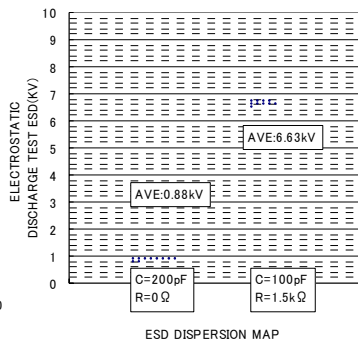
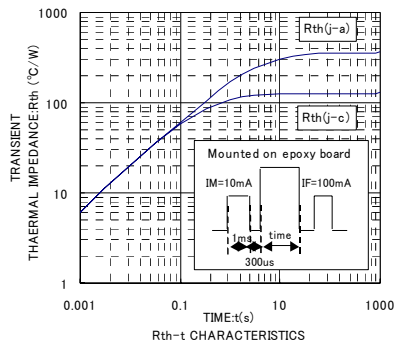
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	1.0	V	$I_F=10\text{mA}$
Reverse current	$I_R$	-	-	10	nA	$V_R=25\text{V}$
Capacitance between terminals	$C_t$	-	-	1.2	pF	$V_R=6\text{V}$ , $f=1\text{MHz}$
Forward operating resistance	$r_f$	-	-	0.9	$\Omega$	$I_F=2\text{mA}$ , $f=100\text{MHz}$

Diodes

●Electrical characteristics curves (Ta=25°C)



Diodes



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