

# Band switching diode

## DAP236U

### ●Applications

High speed switching

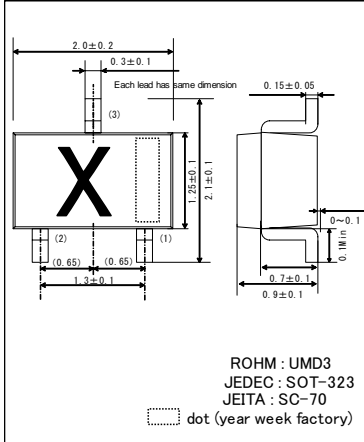
### ●Features

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

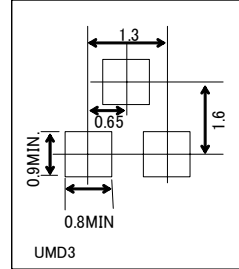
### ●Construction

Silicon epitaxial planar

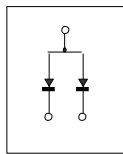
### ●External dimensions (Unit : mm)



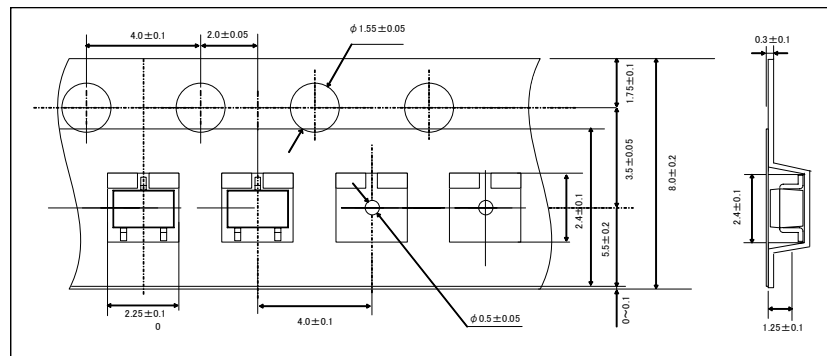
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping dimensions



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

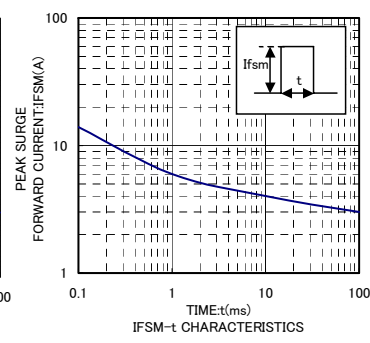
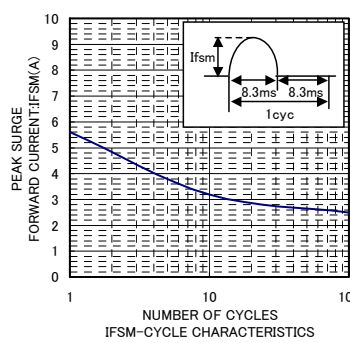
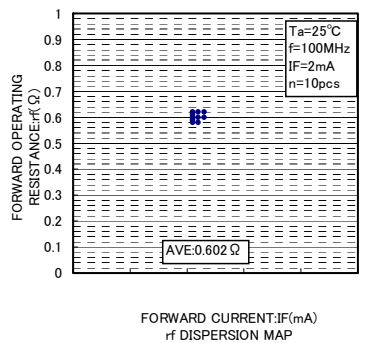
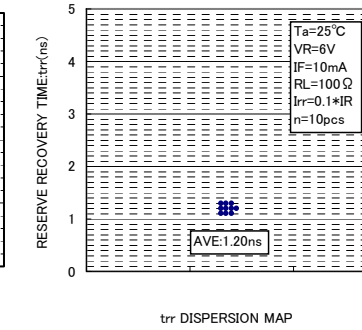
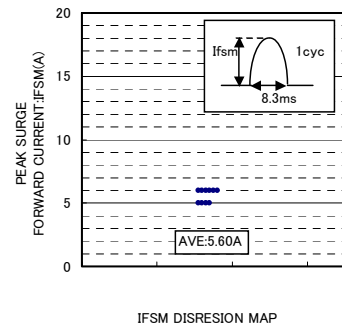
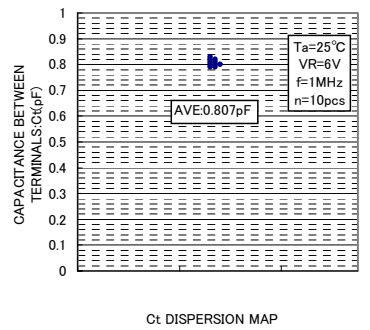
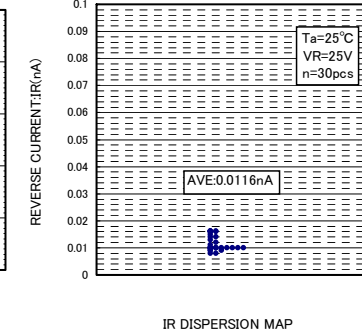
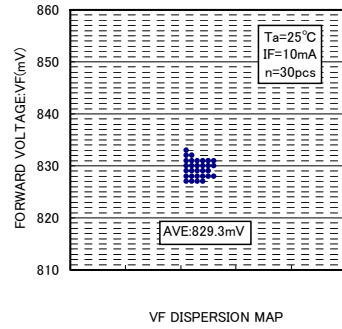
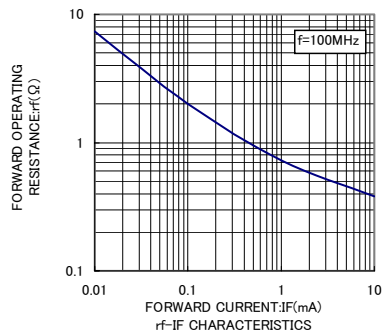
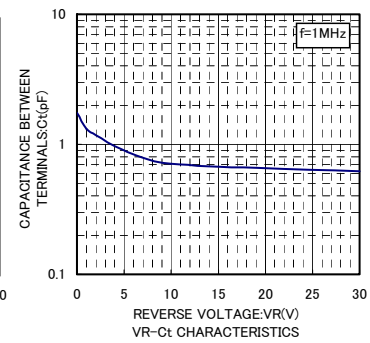
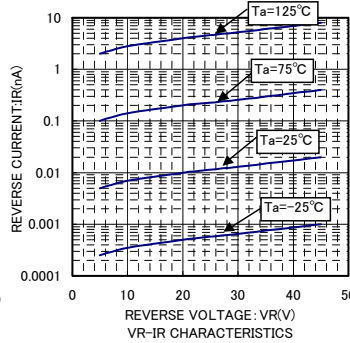
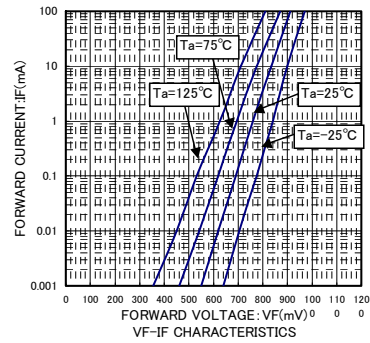
Parameter	Symbol	Limits	Unit
Power dissipation	Pd	150	mW
Reverse voltage (DC)	V <sub>R</sub>	35	V
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-55 to +125	°C

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

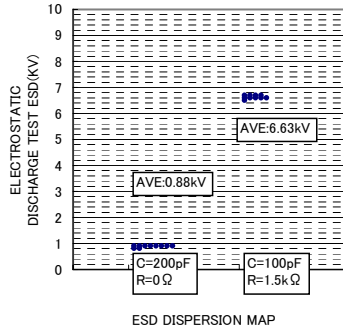
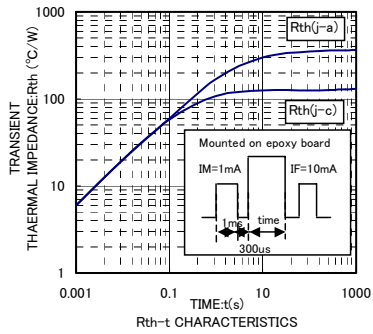
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	1.0	V	I <sub>F</sub> =10mA
Reverse current	I <sub>R</sub>	-	-	10	nA	V <sub>R</sub> =25V
Capacitance between terminal	C <sub>t</sub>	-	-	1.2	pF	V <sub>R</sub> =6V, f=1MHz
Forward operating resistance	r <sub>f</sub>	-	-	0.9	Ω	I <sub>F</sub> =2mA, f=100MHz

Diodes

● Electrical characteristic curves (Ta=25°C)



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