

# Band switching diode

## DAN235E

●Application

High speed switching

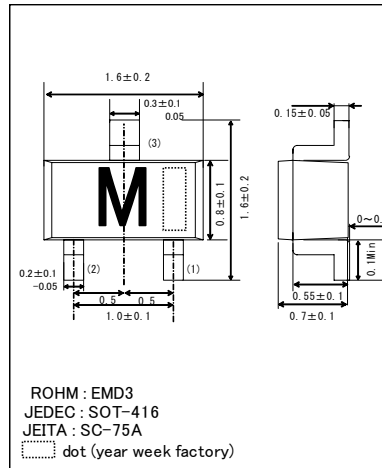
●Features

- 1) Ultra small mold type. (EMD3)
- 2) High reliability.

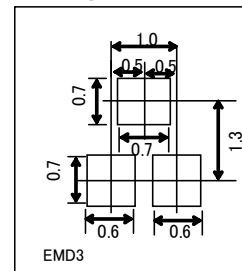
●Construction

Silicon epitaxial planar

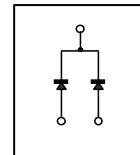
●External dimensions (Unit : mm)



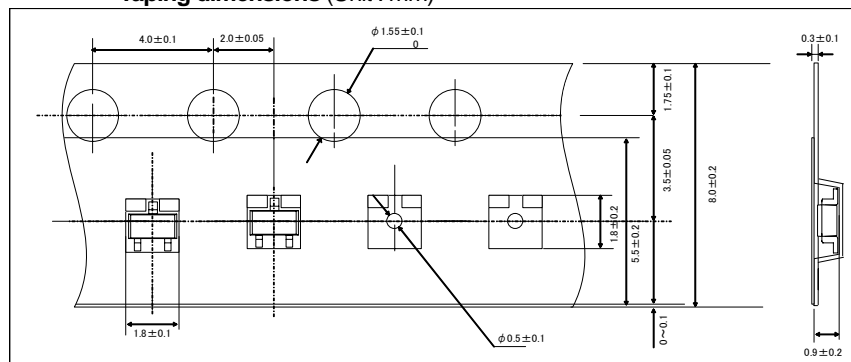
●Lead size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

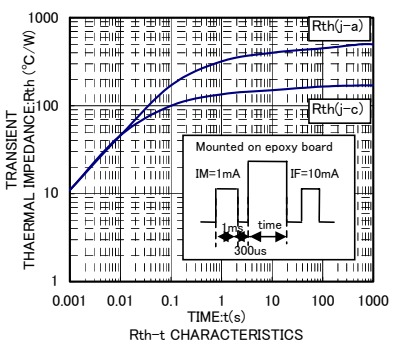
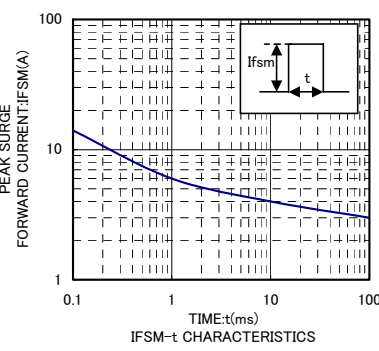
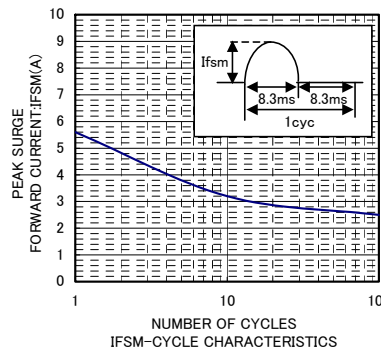
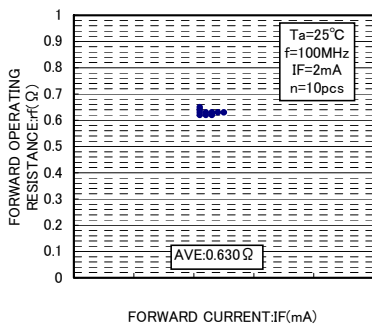
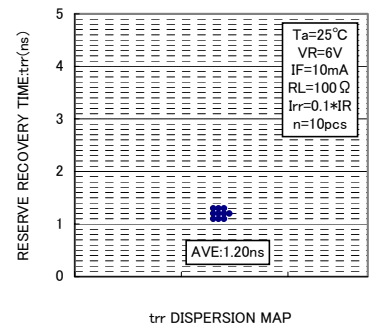
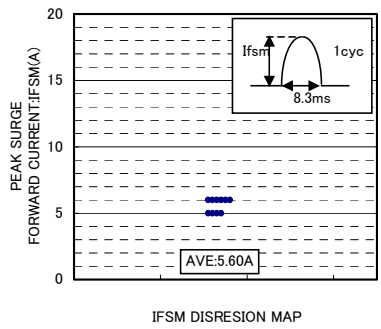
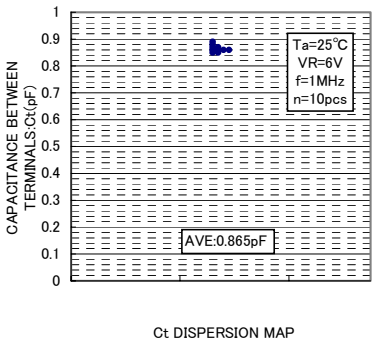
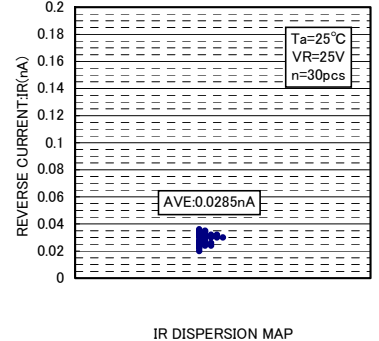
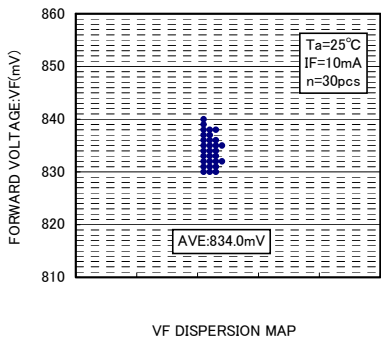
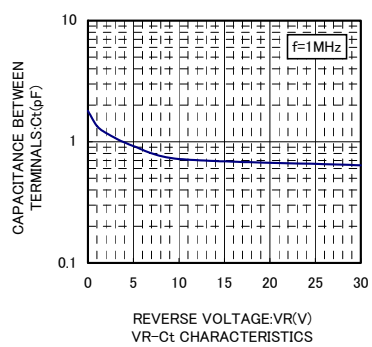
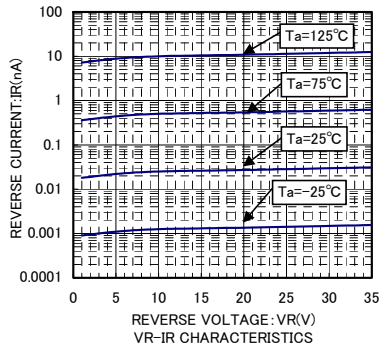
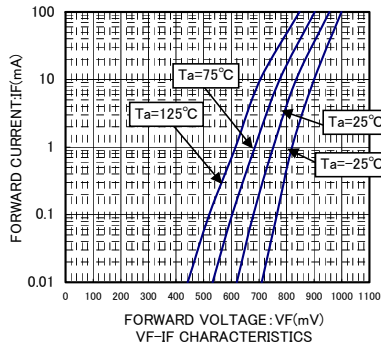
Parameter	Symbol	Limits	Unit
Power dissipation	Pd	150	mW
Reverse voltage (DC)	V <sub>R</sub>	35	V
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-55 to +125	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward current	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 terminals	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

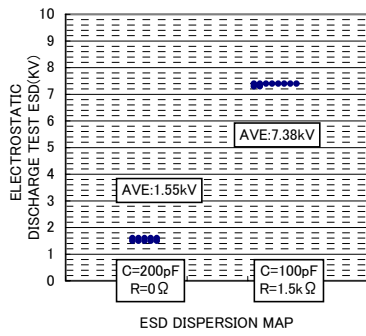
Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes

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