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ROHM SEMICONDUCTOR

Data Sheet

Switching Diode

DAN217UM

●**Applications**

High speed switching

●**Features**

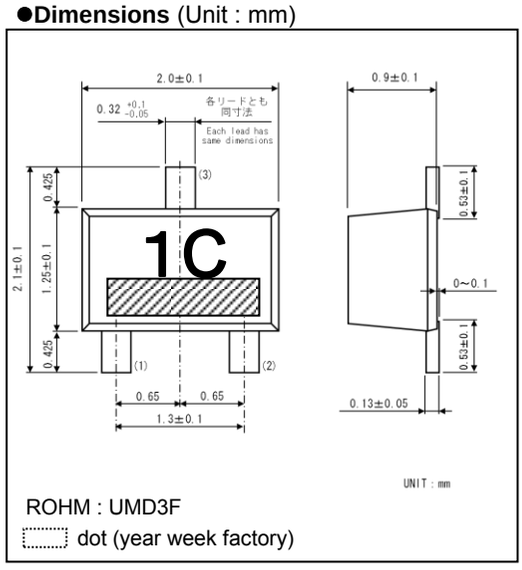
1)Small mold, flat lead type. (UMD3F)

2)High reliability

●**Construction**

Silicon epitaxial planer

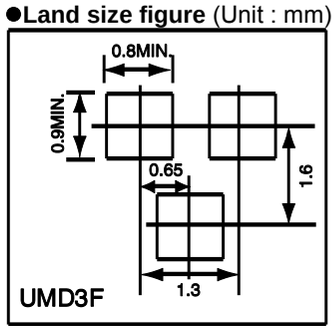
●**Dimensions** (Unit : mm)



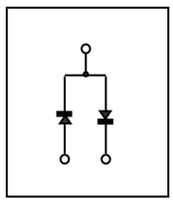
ROHM : UMD3F

dot (year week factory)

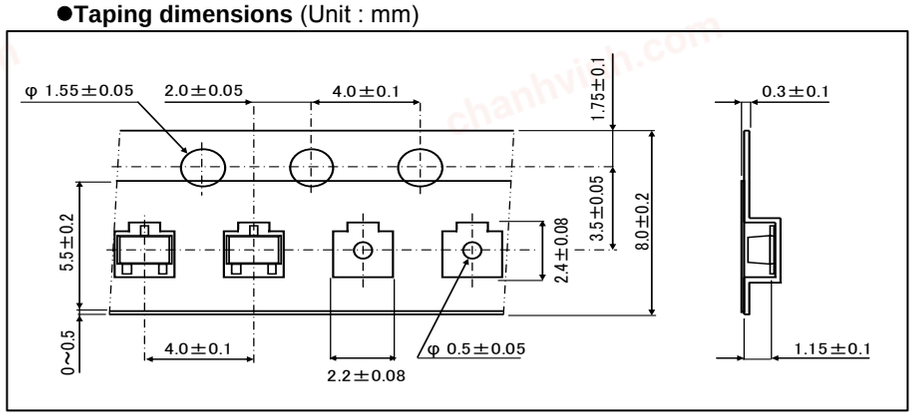
●**Land size figure** (Unit : mm)



●**Structure**



●**Taping dimensions** (Unit : mm)



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

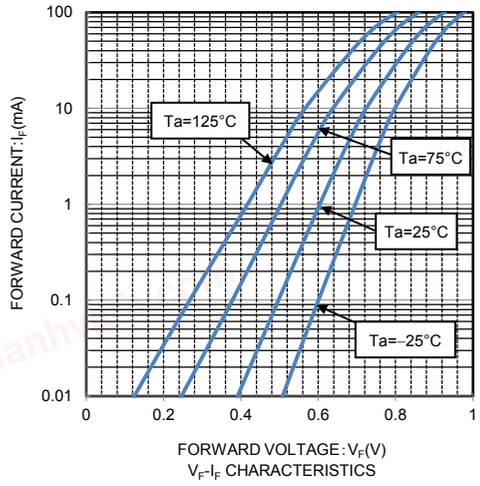
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	80	V
Reverse voltage (DC)	V_R	80	V
Forward voltage(repetitive peak)	I_{FM}	300	mA
Average rectified forward current	Io	100	mA
Surge current(t=1s)	I_{surge}	4	A
Power dissipation	Pd	200	mW/Total
Junction temperature	Tj	150	°C
Storage temperature	Tstg	−55 to +150	°C
Rated in slash put frequency	f	100	MHz

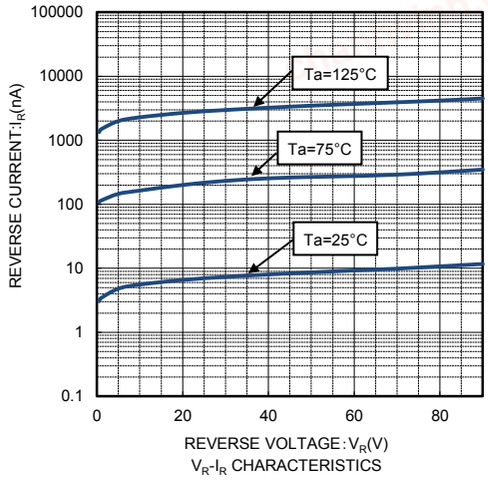
●**Electrical characteristics** (Ta=25°C)

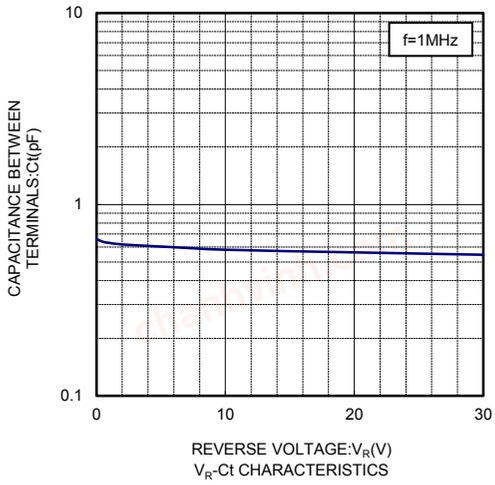
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.2	V	I_F=100mA
Reverse current	I_R	-	-	0.2	μA	V_R=70V
Capacitance between terminals	Ct	-	-	3.5	pF	V_R=6V , f=1MHz
Reverse recovery time	trr	-	-	4.0	ns	V_R=6V , I_F=5mA , R_L=50Ω

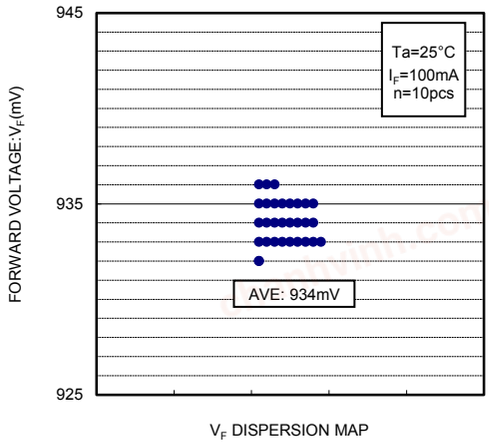
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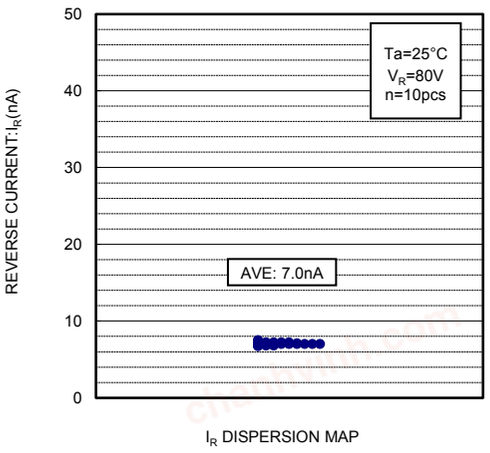
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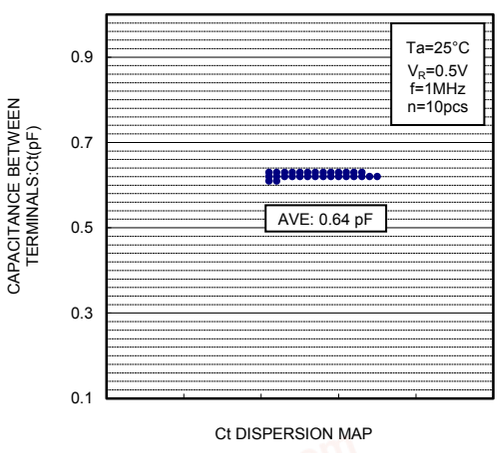






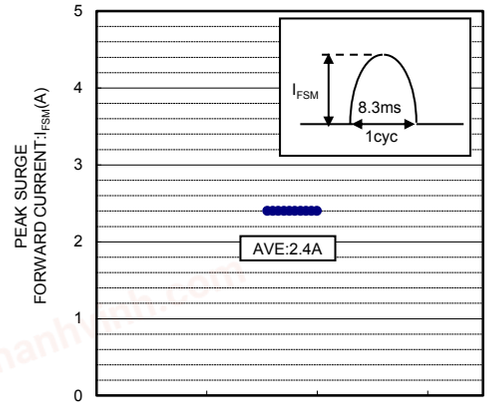




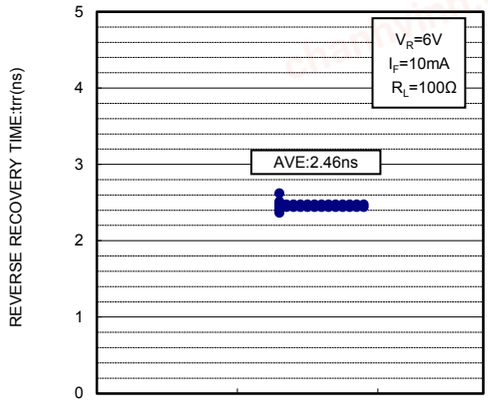


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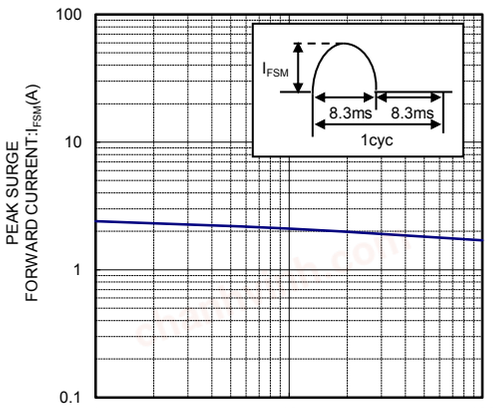
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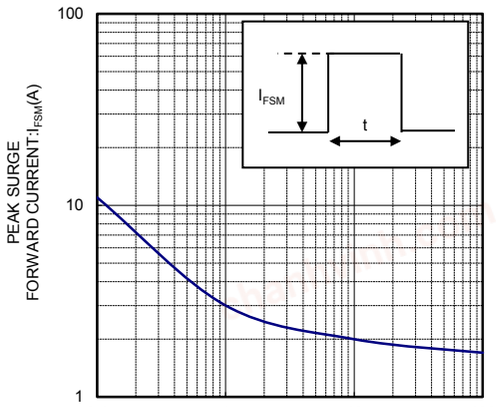
I_{FSM} DISPERSION MAP



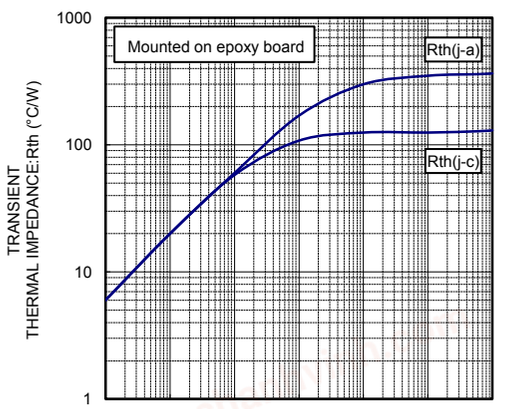
trr DISPERSION MAP



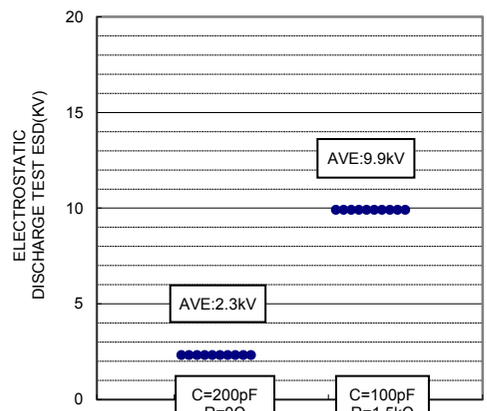
I_{FSM}-CYCLE CHARACTERISTICS



I_{FSM}-t CHARACTERISTICS



Rth-t CHARACTERISTICS



ESD DISPERSION MAP

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Datasheet

DAN217UM - Web Page

Distribution Inventory

Part Number	DAN217UM
Package	UMD3F
Unit Quantity	3000
Minimum Package Quantity	3000
Packing Type	Taping
Constitution Materials List	inquiry
RoHS	Yes