Switching Diode

DAP202UM

●Applications

High speed switching

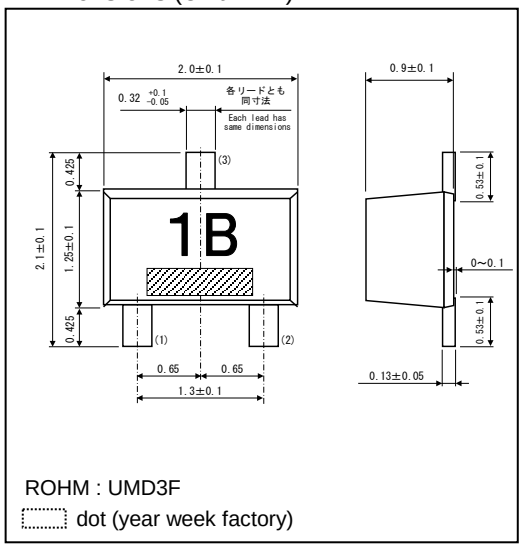
●Features

1)Small mold, flat lead type. (UMD3F)
2)High reliability

●Construction

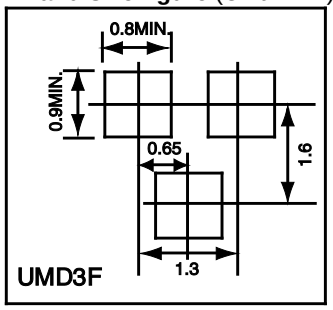
Silicon epitaxial planer

●Dimensions (Unit : mm)

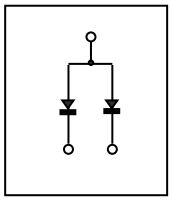


ROHM : UMD3F
dot (year week factory)

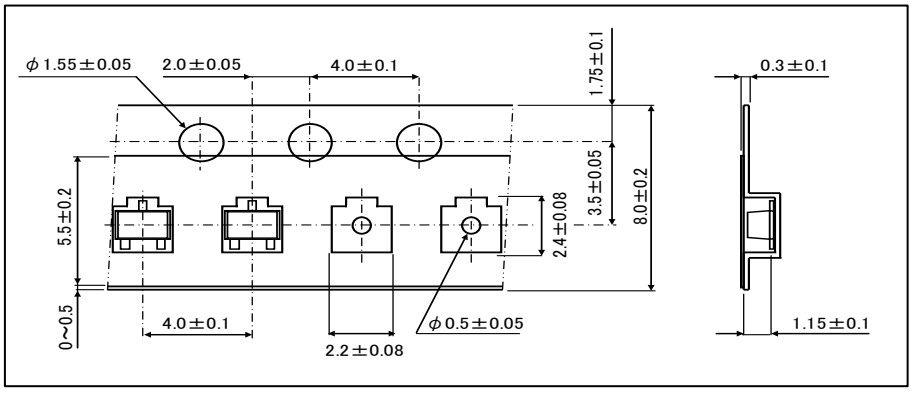
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



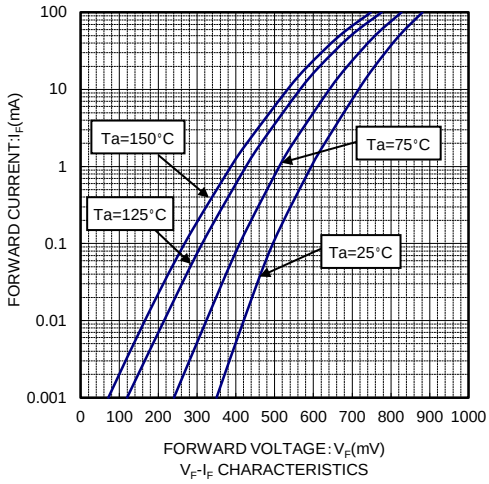
●Absolute maximum ratings (Ta=25°C)

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

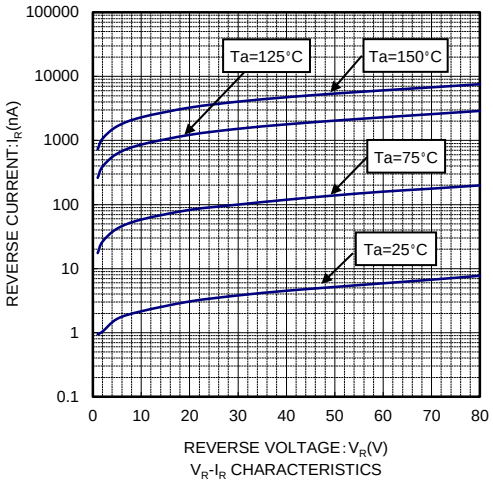
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.2	V	I_F=100mA
Reverse current	I_R	-	-	0.1	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

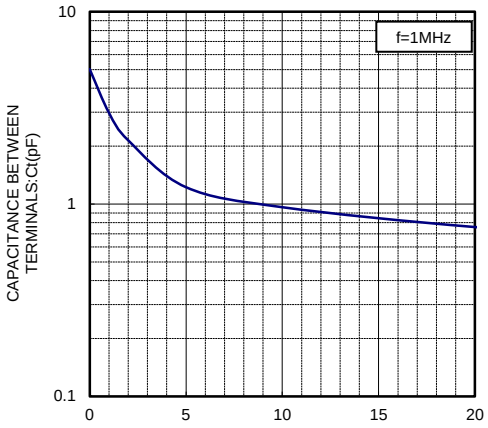
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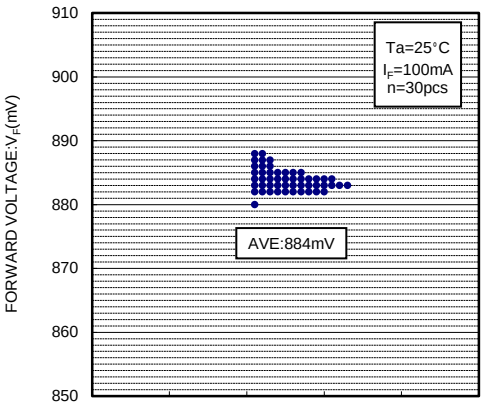
V_F-I_F CHARACTERISTICS



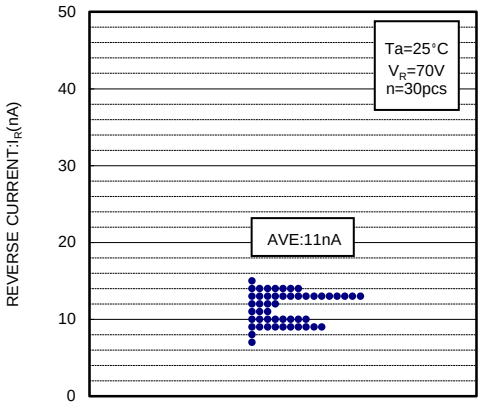
V_R-I_R CHARACTERISTICS



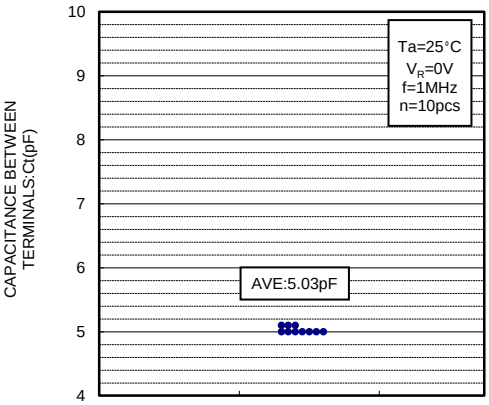
V_R-Ct CHARACTERISTICS



V_F DISPERSION MAP

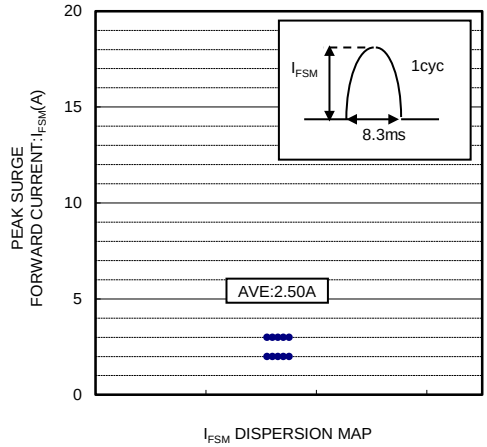


I_R DISPERSION MAP

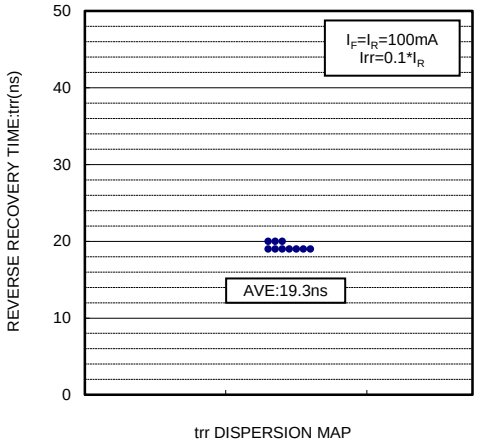


Ct DISPERSION MAP

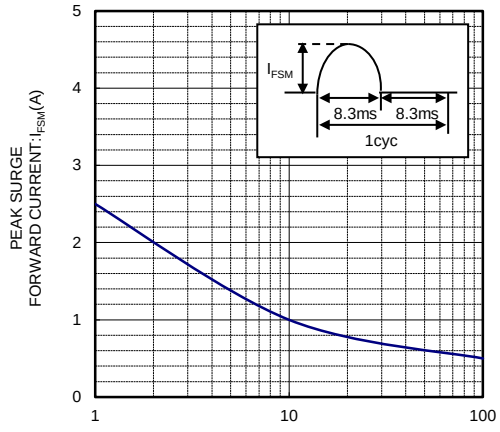
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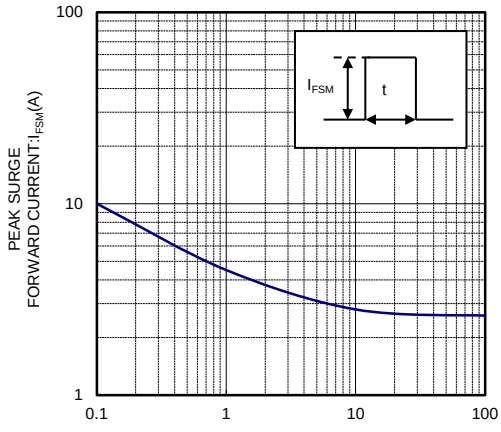
I_{FSM} DISPERSION MAP



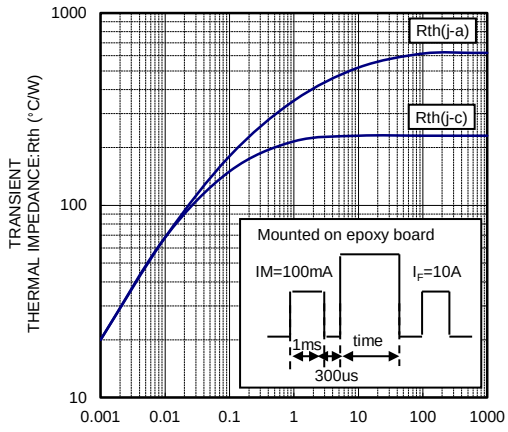
trr DISPERSION MAP



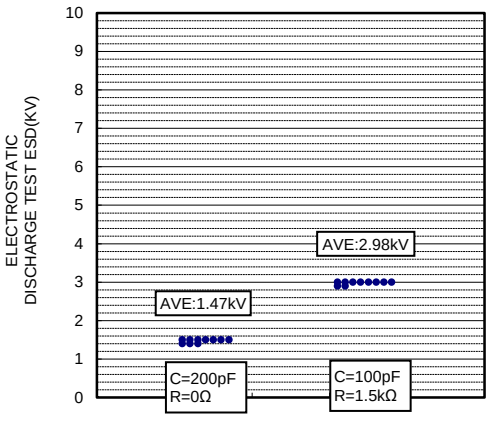
NUMBER OF CYCLES
I_{FSM}-CYCLE CHARACTERISTICS



TIME:t(ms)
I_{FSM}-t CHARACTERISTICS



TIME:t(s)
Rth-t CHARACTERISTICS



ESD DISPERSION MAP

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