

Switching Diode

UMR11N

● **Applications**

High frequency switching

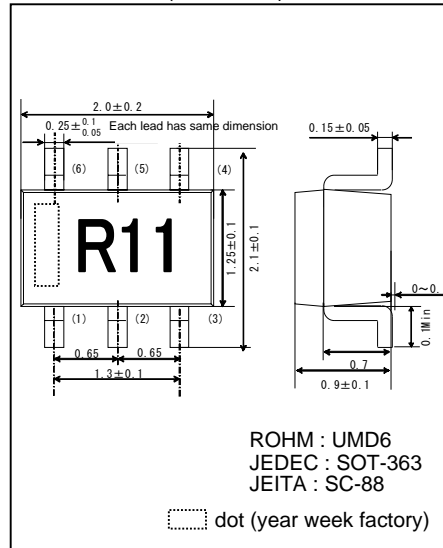
● **Features**

- 1) Small mold type.(UMD6)
- 2) High reliability

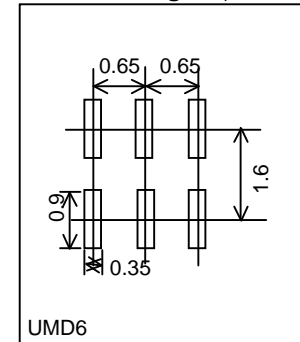
● **Construction**

Silicon epitaxial planer

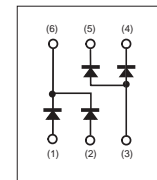
● **Dimensions**(Unit : mm)



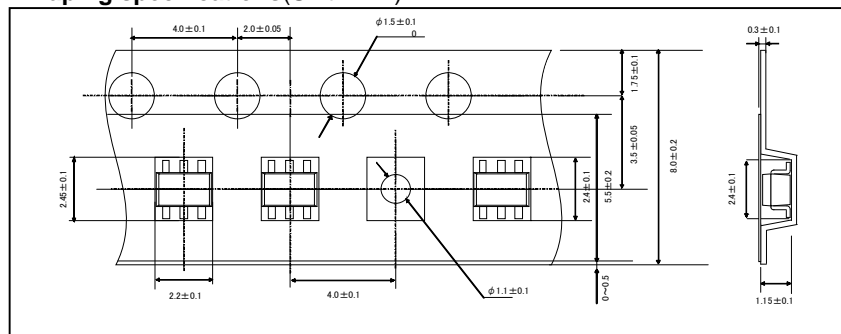
● **Land size figure**(Unit : mm)



● **Structure**



● **Taping specifications**(Unit : mm)

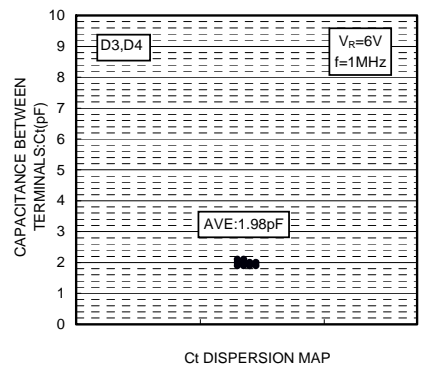
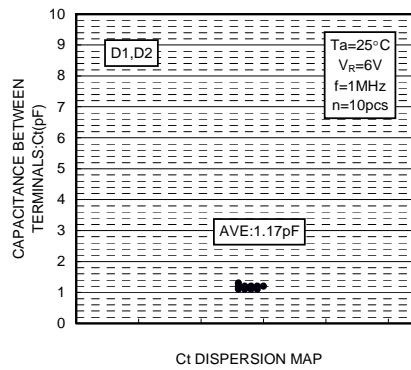
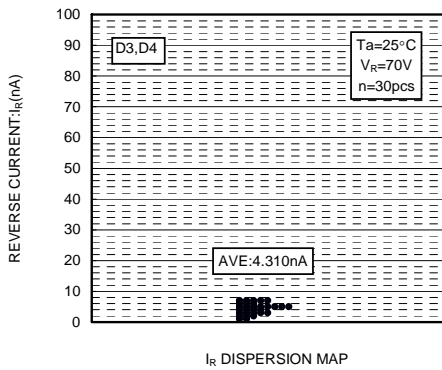
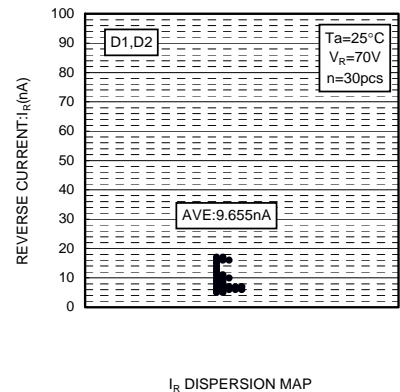
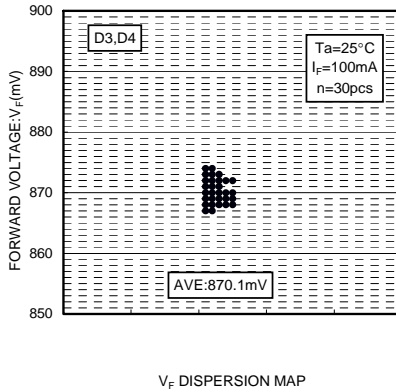
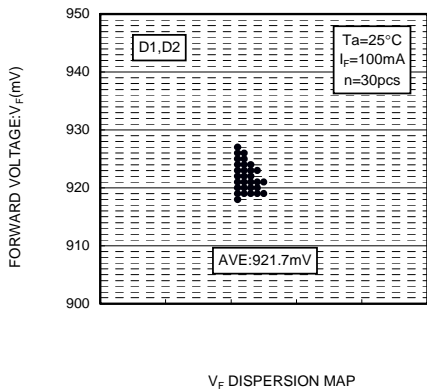
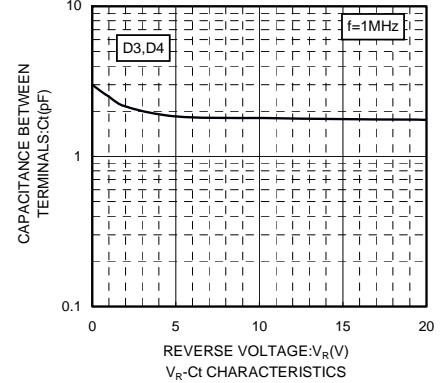
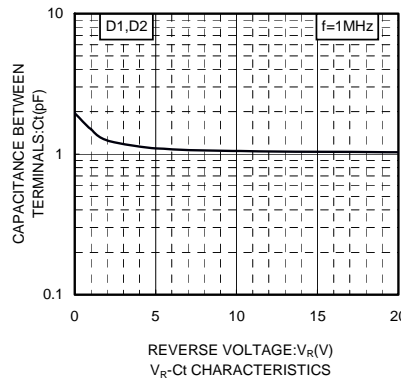
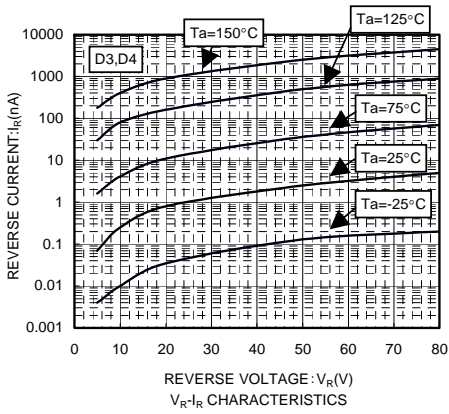
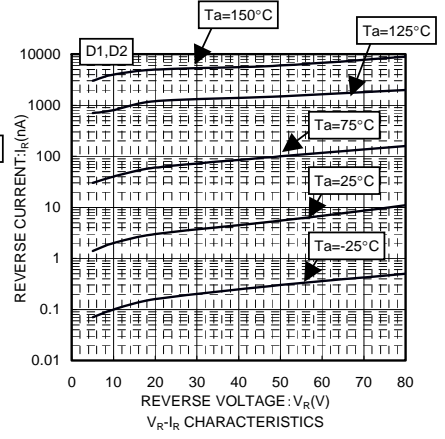
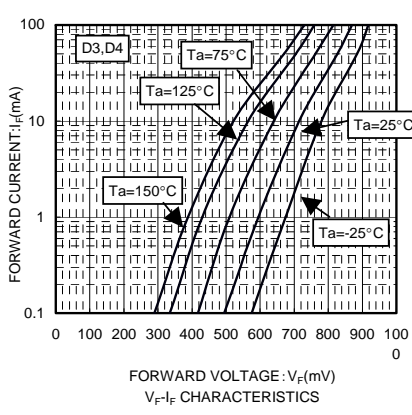
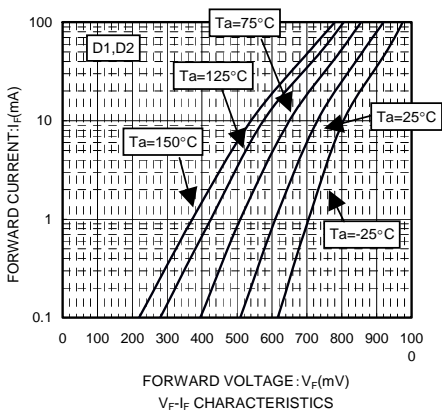


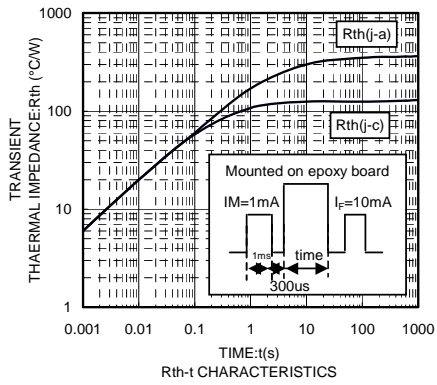
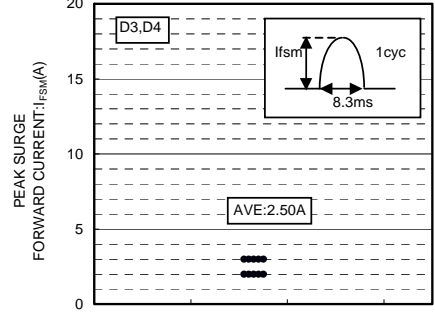
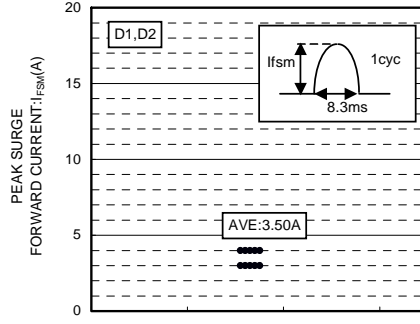
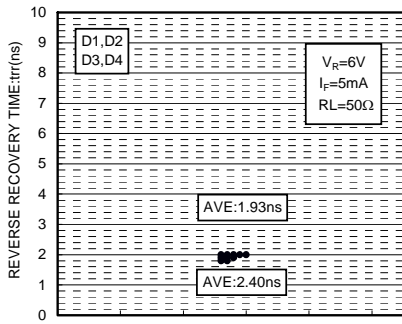
● **Absolute maximum ratings** (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	80	V
Reverse voltage (DC)	V_R	80	V
Forward current (Single)	I_{FM}	300	mA
Average rectified forward current	I_o	100	mA
Surge current (t=1us)	I_{surge}	4	A
Power dissipation	P_d	200	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

● **Electical 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	C_t	-	-	3.5	pF	$V_R=6V, f=1MHz$
Reverse recoverytime	t_{rr}	-	-	4	ns	$V_R=6V, I_F=5mA, R_L=50\Omega$





Notes

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