

# Switching Diode

## DA204K

● **Applications**

Ultra high speed switching

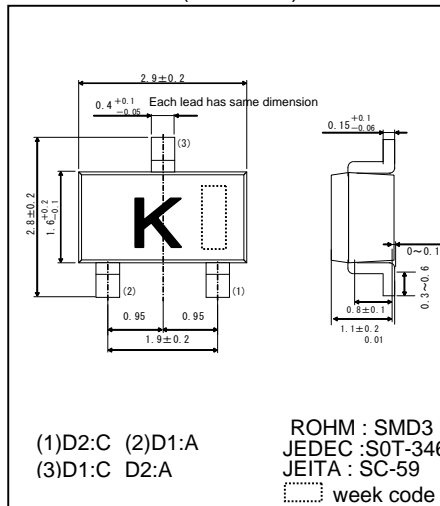
● **Features**

- 1) Small mold type. (SMD3)
- 2) High reliability

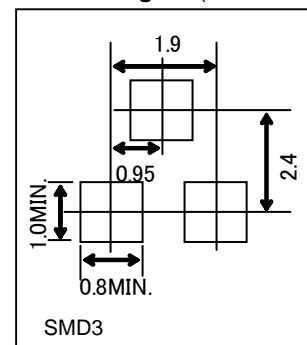
● **Construction**

Silicon epitaxial planar

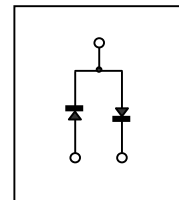
● **Dimensions (Unit : mm)**



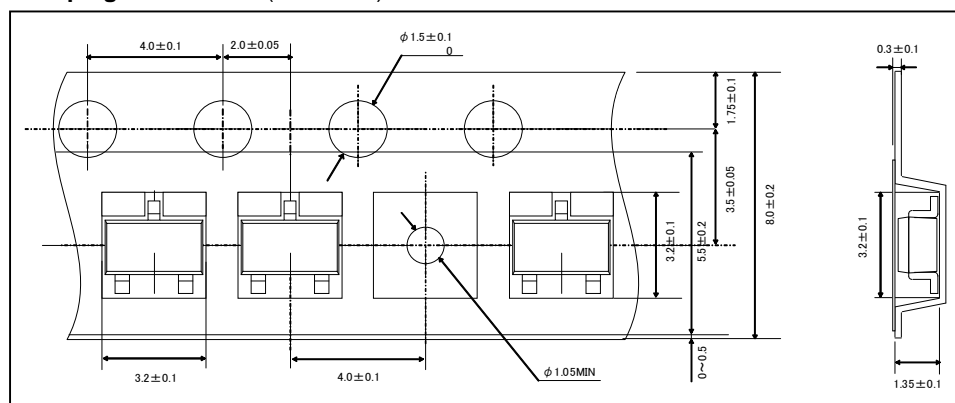
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**

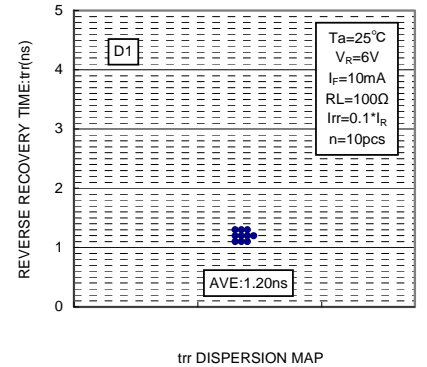
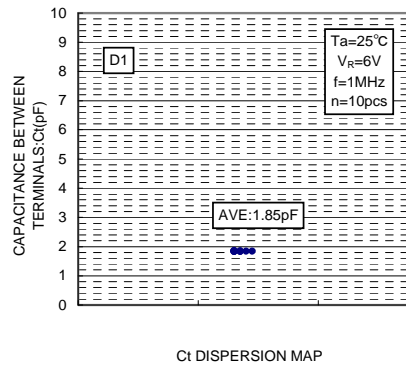
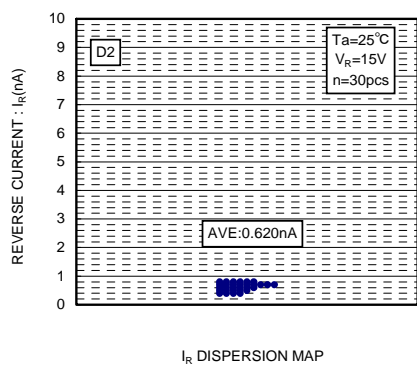
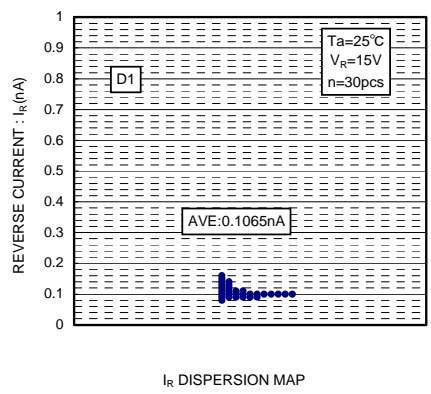
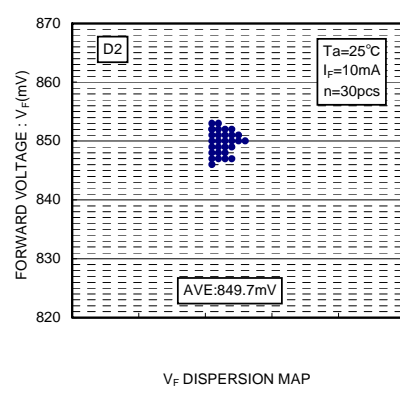
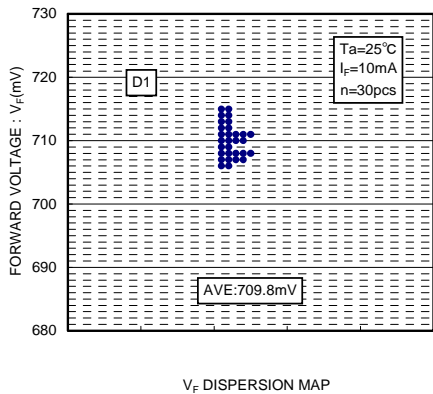
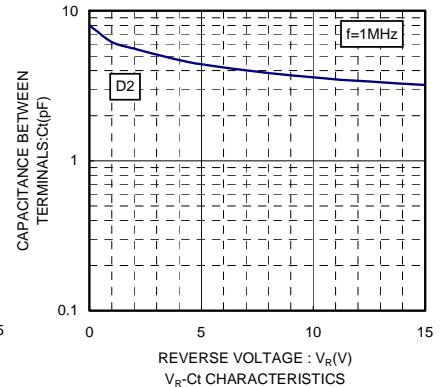
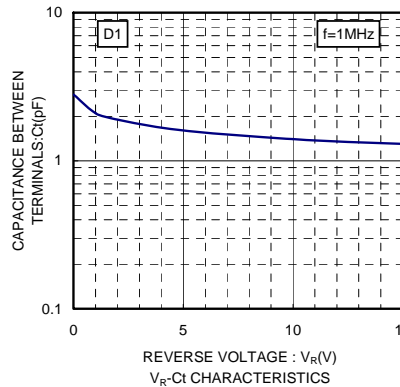
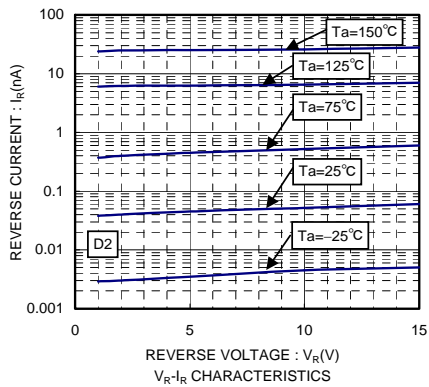
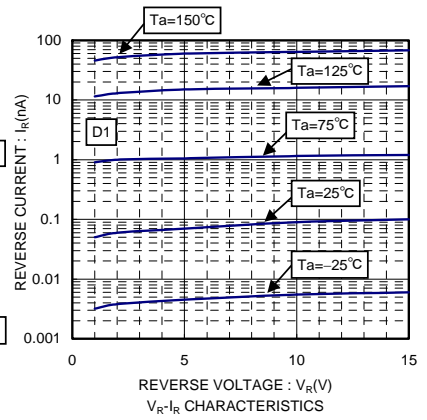
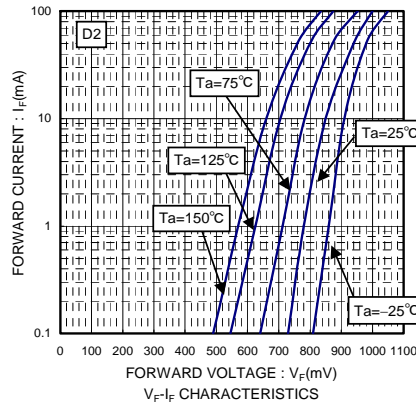
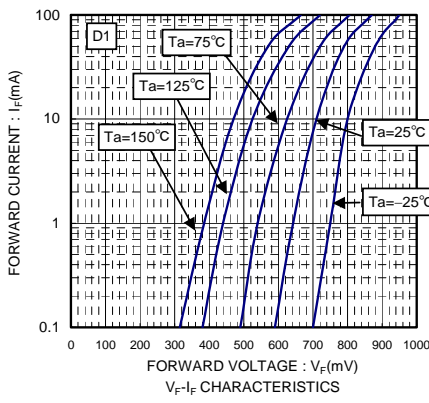


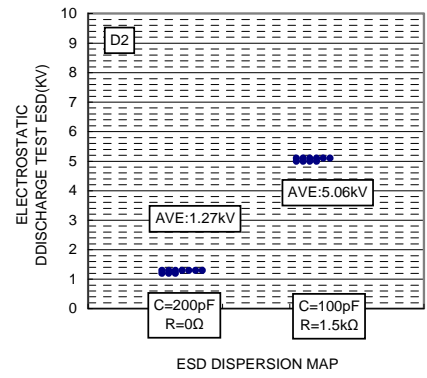
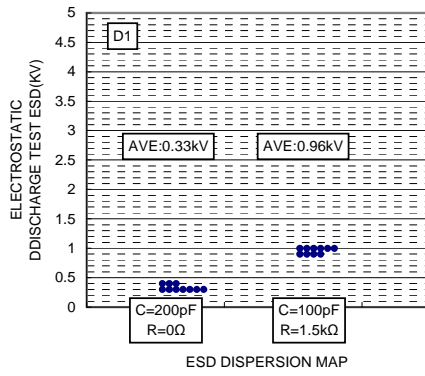
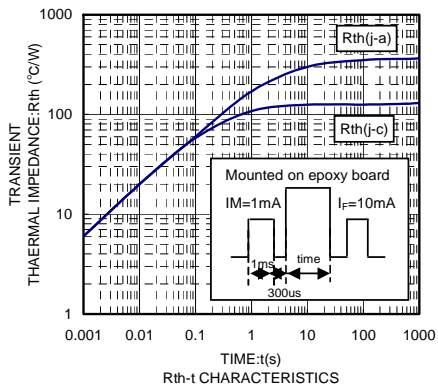
● **Absolute maximum ratings (Ta=25°C)**

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	20	V
Reverse voltage (DC)	$V_R$	20	V
Forward current (Single)	$I_{FM}$	200	mA
Average rectified forward current (Single)	$I_o$	100	mA
Surge current (t=1 μs)	$I_{surge}$	300	mA
Power dissipation	$P_d$	200	mW
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55 to +150	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	1.0	V	$I_F=10mA$
Reverse current	$I_R$	-	-	0.1	μA	$V_R=15V$
Capacitance between terminals	$C_t$	-	-	4.0	pF	$V_R=6V, f=1MHz$





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