

# Switching diode

## DA228K

●Applications

Ultra high speed switching

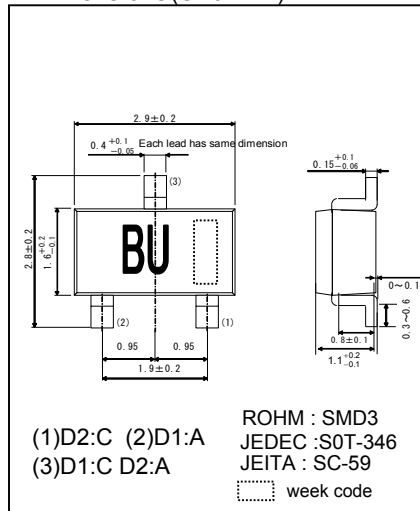
●Features

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

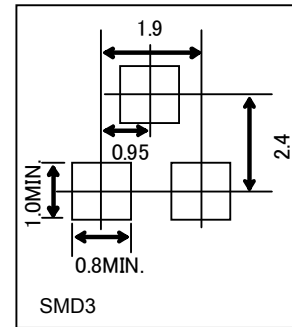
●Construction

Silicon epitaxial planar

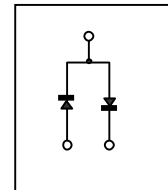
●Dimensions (Unit : mm)



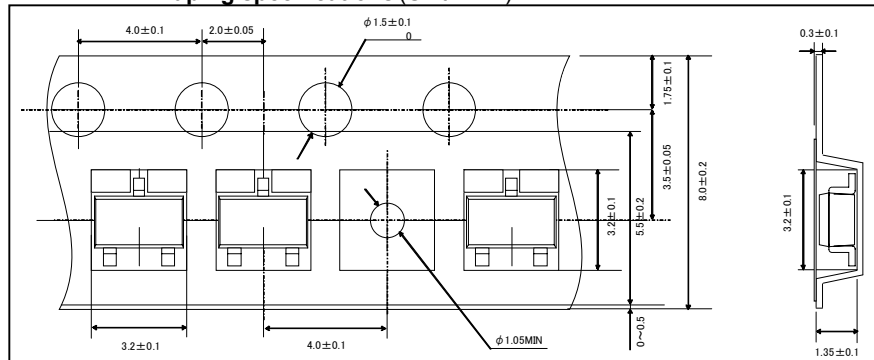
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)

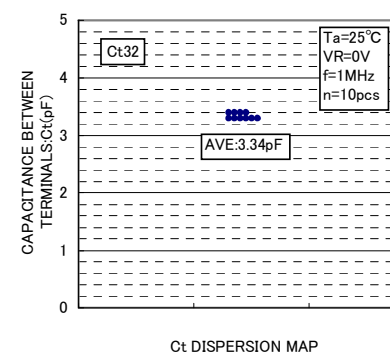
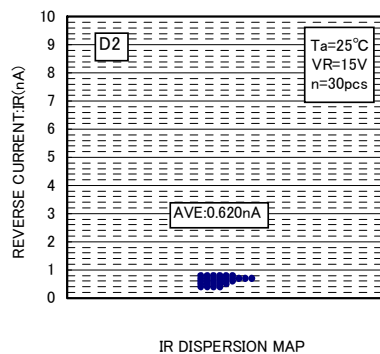
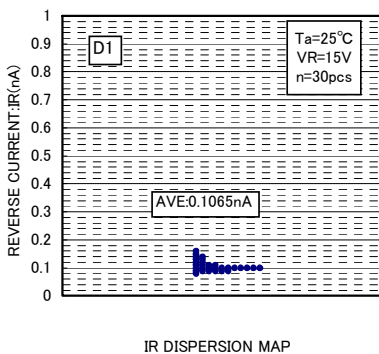
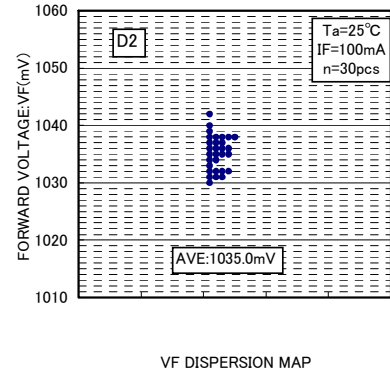
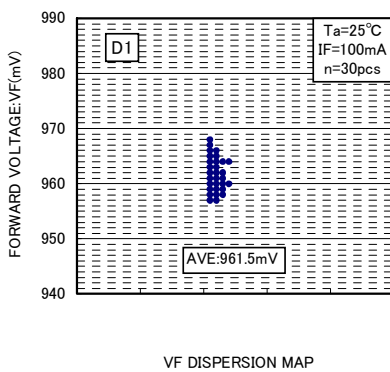
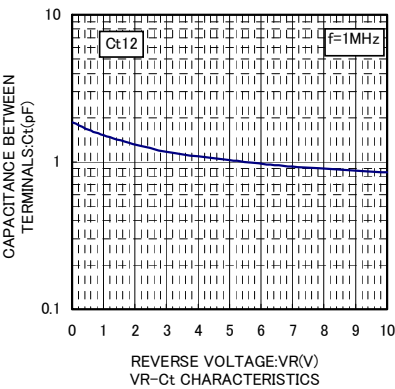
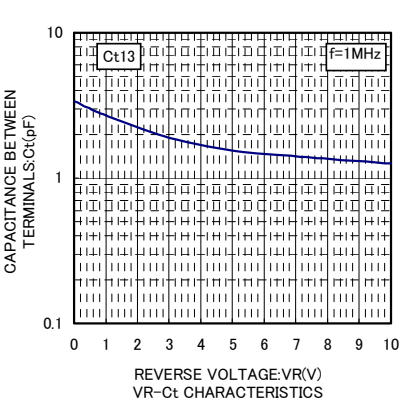
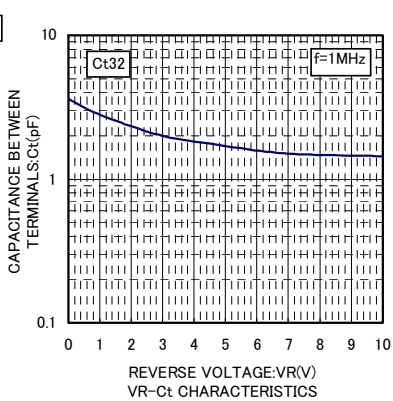
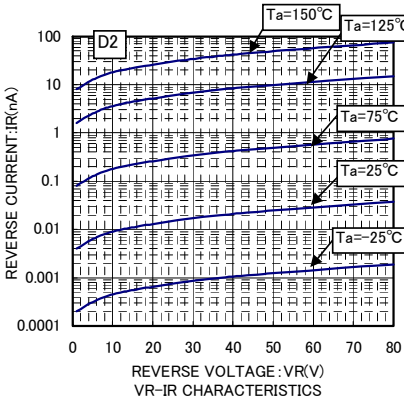
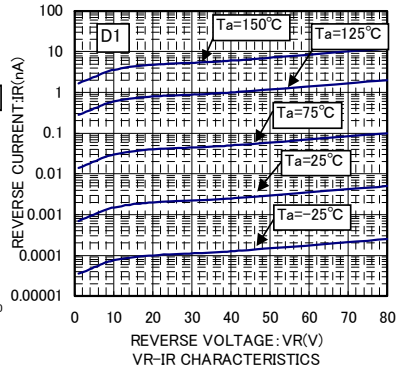
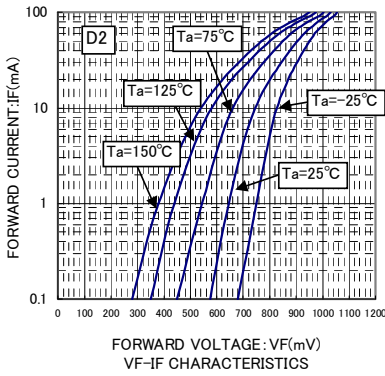
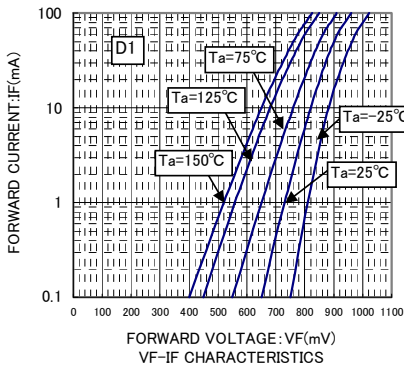


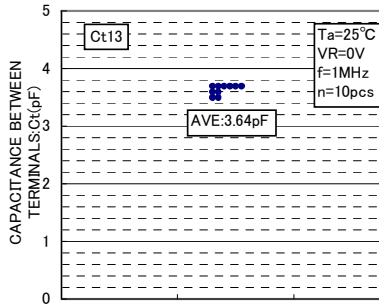
●Absolute maximum ratings (Ta=25°C)

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

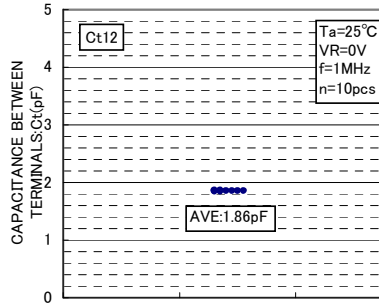
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	1.2	V	$I_F=100mA$
Reverse current	$I_R$	-	-	0.1	$\mu A$	$V_R=80V$
Capacitance between terminals	Ct32	-	-	5.0	pF	$V_R=0V, f=1MHz$
	Ct13	-	-	6.5	pF	
	Ct12	-	-	5.0	pF	

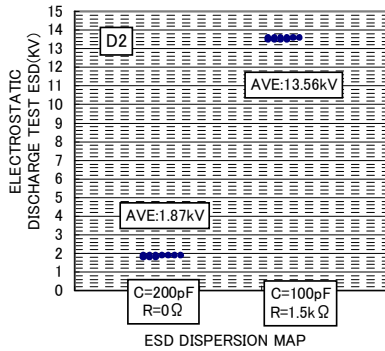
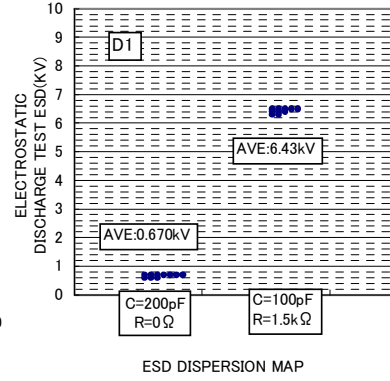
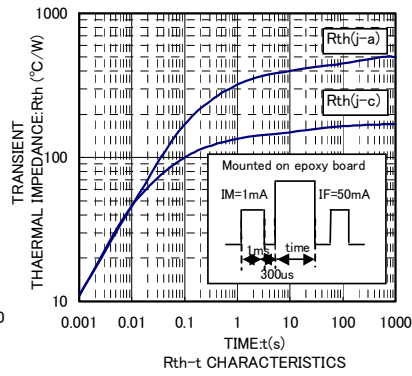
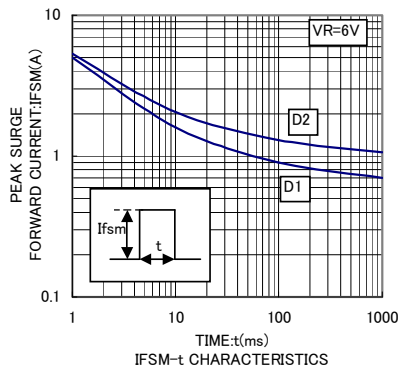
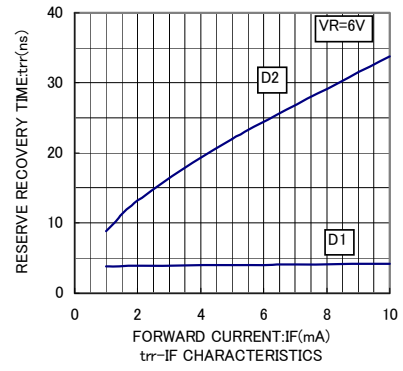




Ct DISPERSION MAP



Ct DISPERSION MAP



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