

DA204U

Ultra high speed switching

- 1) Small mold type. (UMD3)
- 2) High reliability.

Silicon epitaxial planar

The drawing shows a mechanical component with a top view and a side view. The top view is a rectangle with a large 'K' in the center. Dimensions include a total width of 2.0 ± 0.2 , a lead width of 0.3 ± 0.1 , and a central lead width of 1.25 ± 0.1 . The total height is 2.1 ± 0.1 . The bottom view shows a width of 1.3 ± 0.1 and lead widths of 0.65 . The side view shows a height of 0.15 ± 0.05 and a base width of 0.7 ± 0 and 0.9 ± 0.1 . A note indicates 'Each lead has same dimension'. A dashed box in the top view is labeled 'dot (year week factory)'.

(1) D2:C (2) D1:A
(3) D1:C D2:A

ROHM : UMD3
JEDEC : SOT-323
JEITA : SC-70

dot (year week factory)

UMD3

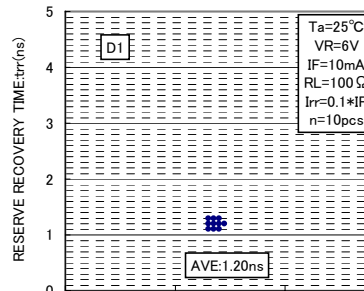
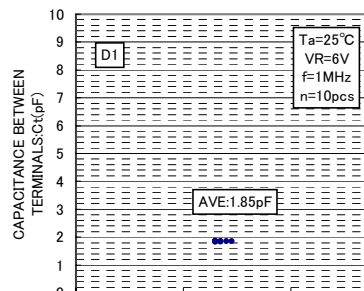
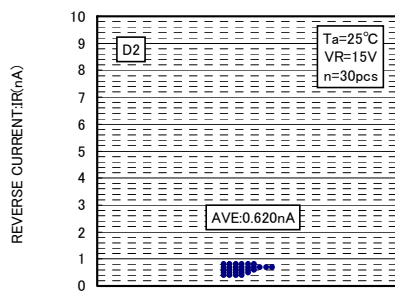
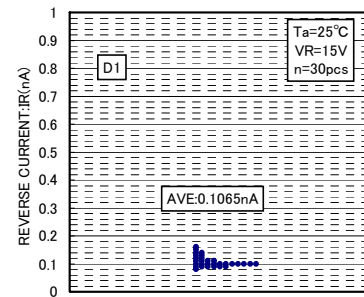
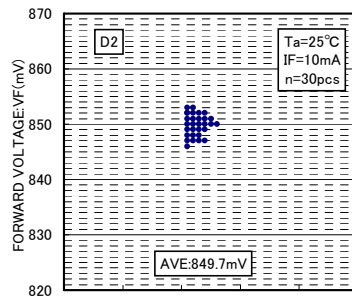
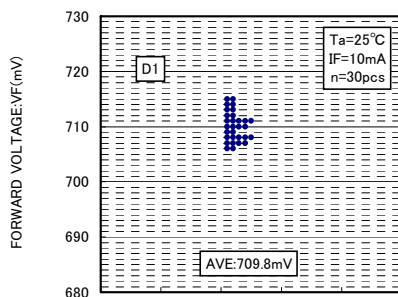
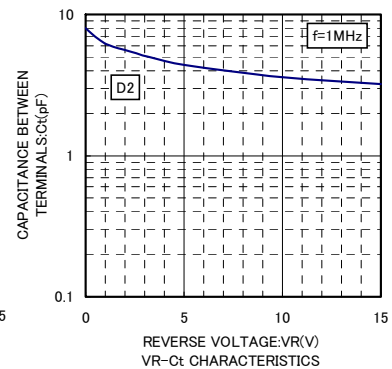
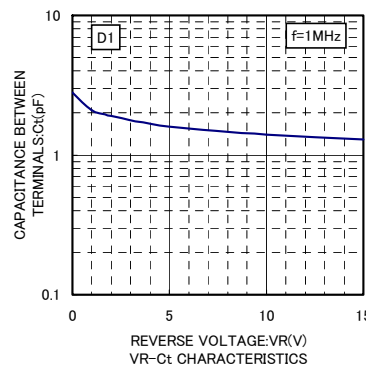
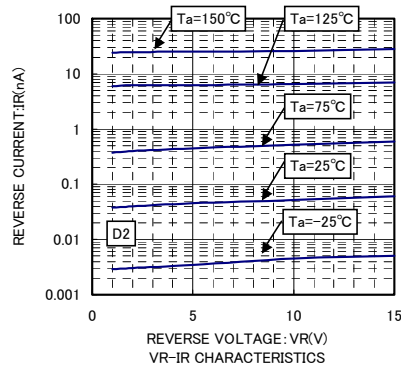
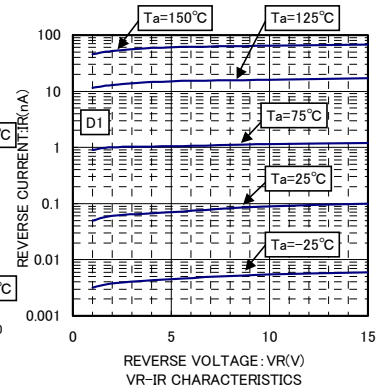
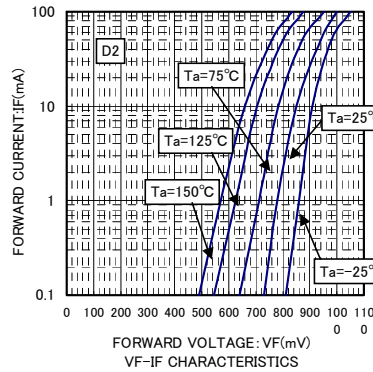
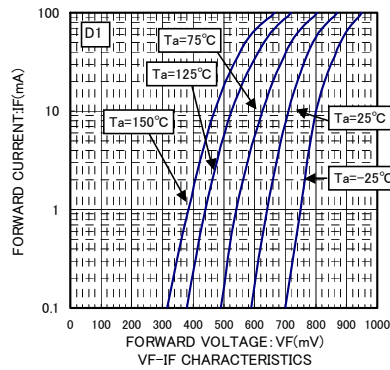
Technical drawing of a mechanical part, showing a side view and a cross-section view. The side view includes dimensions: 4.0 ± 0.1, 2.0 ± 0.05, 2.25 ± 0.1, 4.0 ± 0.1, 0, 3.3 ± 0.05, 5.5 ± 0.2, 0 ± 0.1, 8.0 ± 0.2, 1.75 ± 0.1, 2.4 ± 0.1, and 0.3 ± 0.1. The cross-section view shows a circular feature with a diameter of 1.55 ± 0.05 and a hole with a diameter of 0.5 ± 0.05. The part is labeled with a tolerance of 0.3 ± 0.1.

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	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 put frequency	f	100	MHz

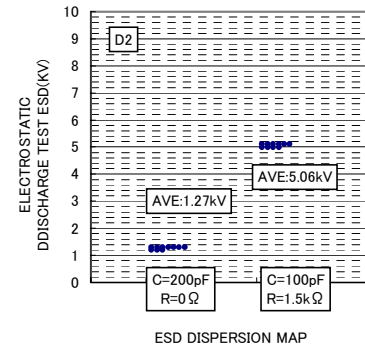
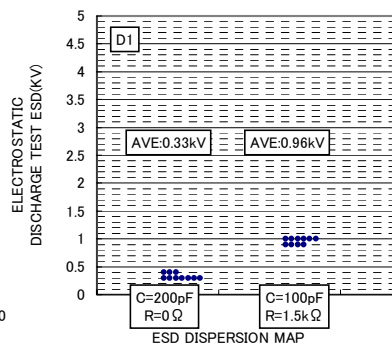
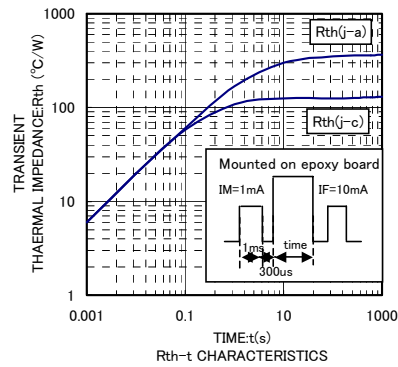
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.0	V	$I_F=10\text{mA}$
Reverse current	I_R	-	-	0.1	μA	$V_R=15\text{V}$
Capacitance between terminals	C_t	-	-	4.0	pF	$V_R=6\text{V}$, $f=1\text{MHz}$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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