

Schottky barrier diode

RB201A60

● **Applications**

General rectification

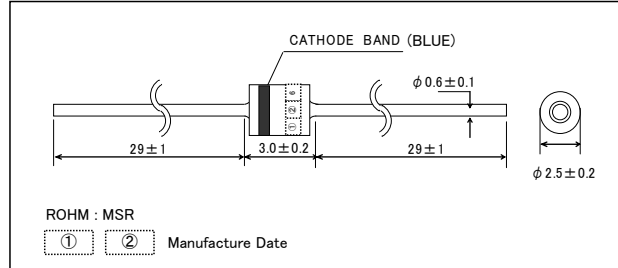
● **Features**

- 1) Cylindrical mold type.(MSR)
- 2) Low V_F .
- 3) High ESD.

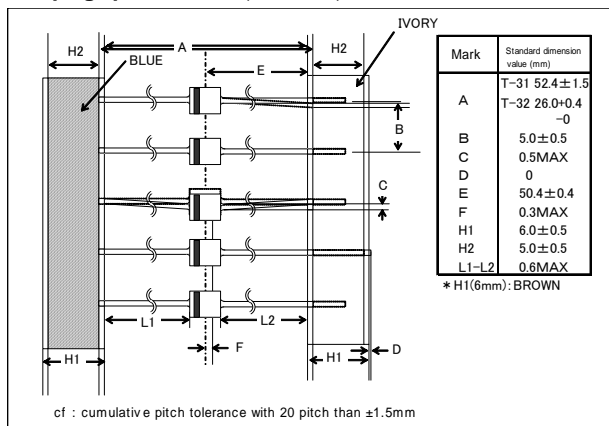
● **Construction**

Silicon epitaxial planar

● **Dimensions (Unit : mm)**



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



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

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	60	V
Reverse voltage (DC)	V_R	60	V
Average rectified forward current (*1)	I_o	2	A
Forward current surge peak (60Hz·1cyc)	I_{FSM}	40	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

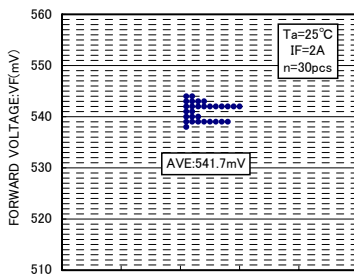
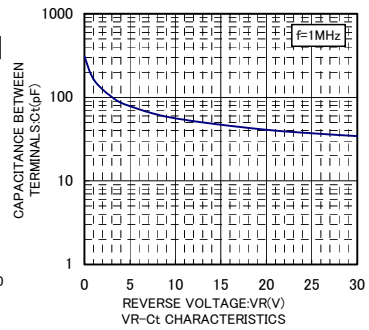
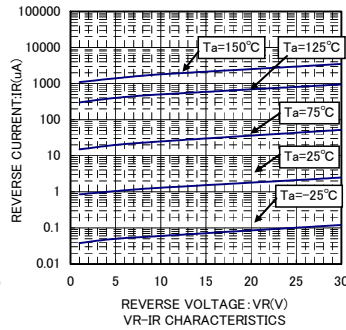
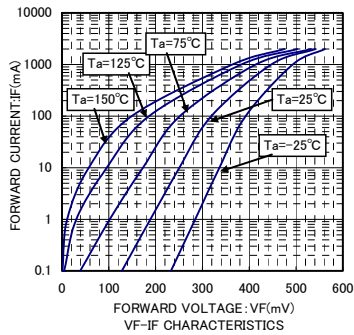
(*1) Mounted on epoxy board. 180°Half sine wave

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

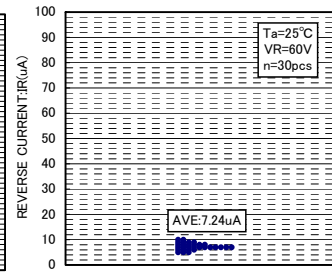
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.58	V	$I_F=2.0A$
Reverse current	I_R	-	-	100	μA	$V_R=60V$

Diodes

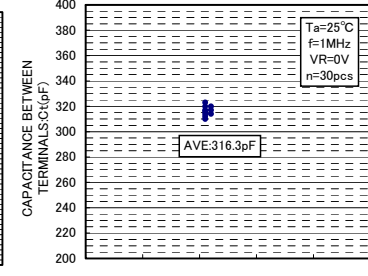
● Electrical characteristic curves (Ta=25°C)



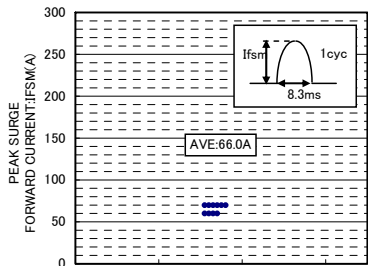
VF DISPERSION MAP



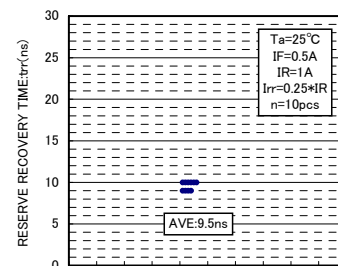
IR DISPERSION MAP



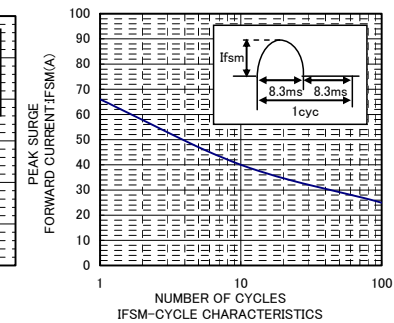
Ct DISPERSION MAP



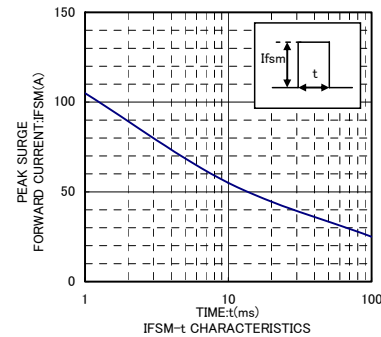
IFSM DISPERSION MAP



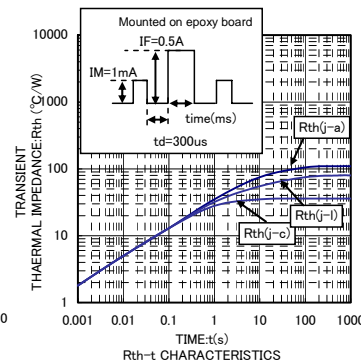
trr DISPERSION MAP



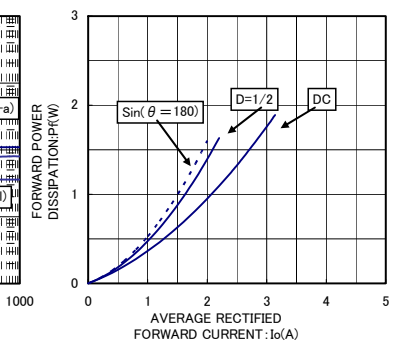
IFSM-CYCLE CHARACTERISTICS



IFSM-t CHARACTERISTICS

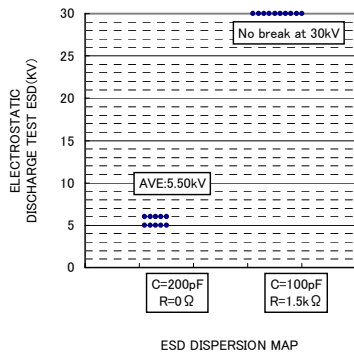
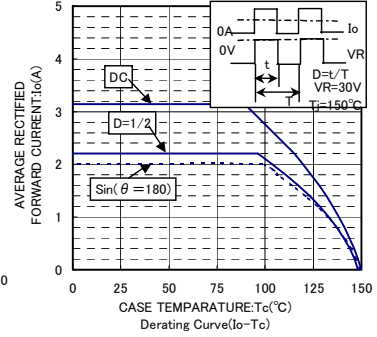
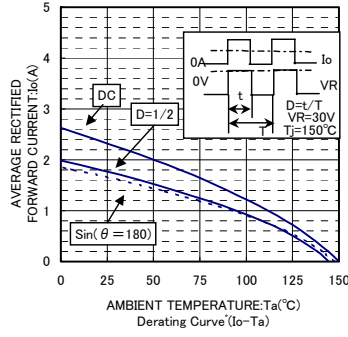
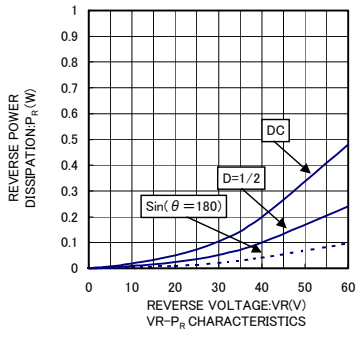


Rth-t CHARACTERISTICS



Io-PF CHARACTERISTICS

Diodes



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