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Diodes

Schottky barrier diode

RB160A60

●Applications

General rectification

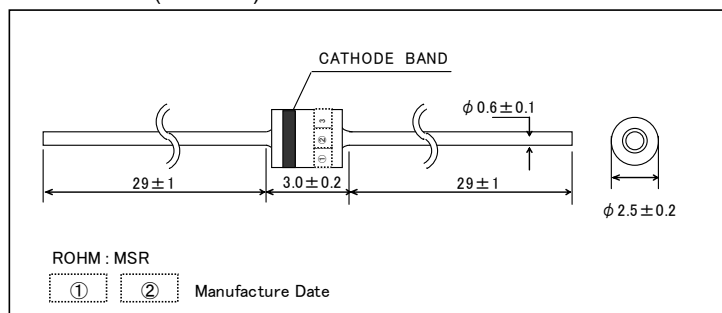
●Features

- 1) Cylindrical mold type. (MSR)
- 2) High I surge capability.
- 3) Low V_f .
- 4) High ESD.

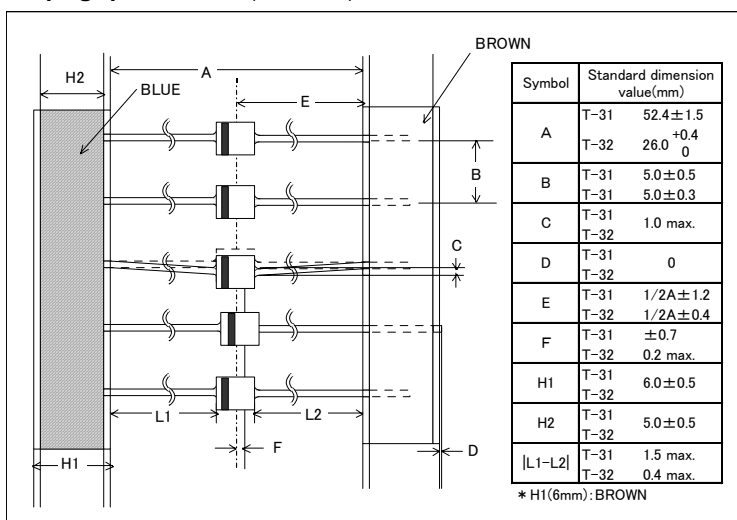
●Construction

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	1	A
Forward current surge peak (t=100μs)	I_{FSM}	60	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

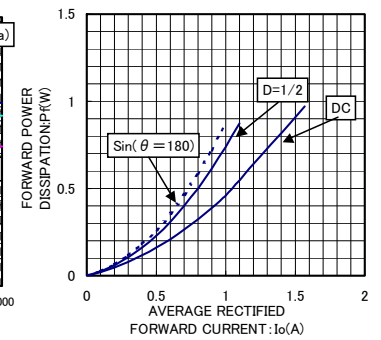
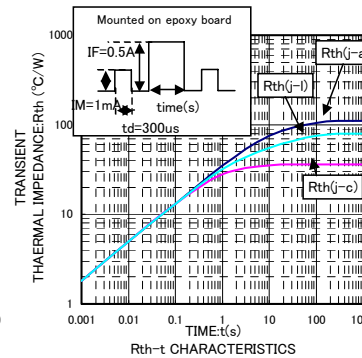
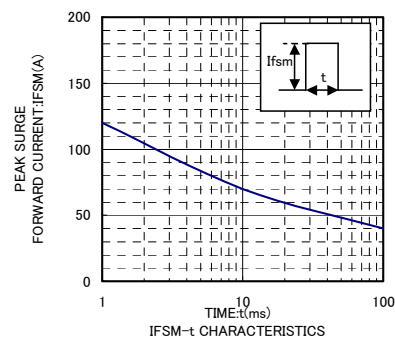
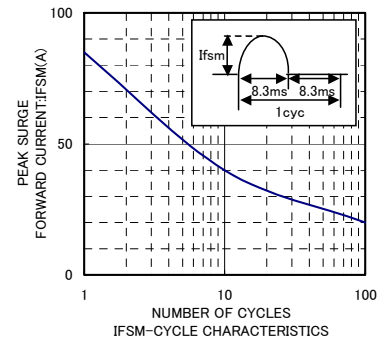
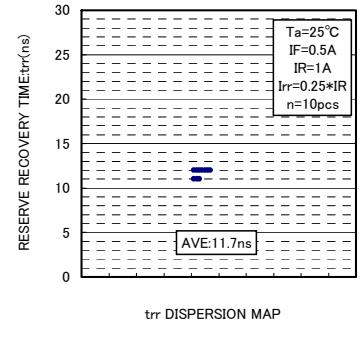
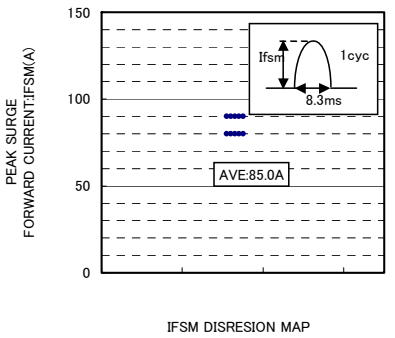
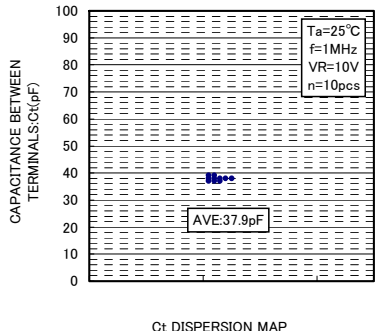
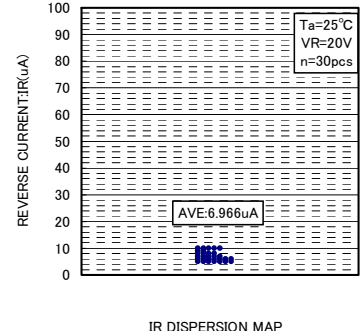
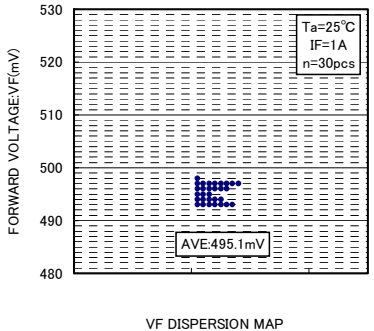
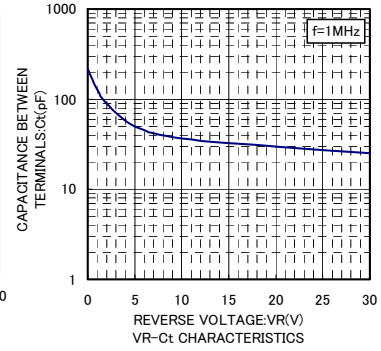
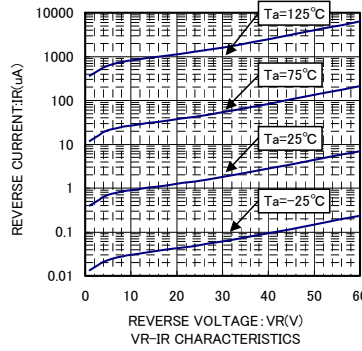
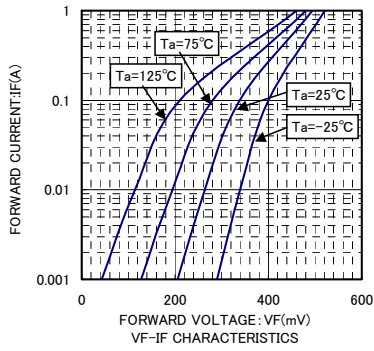
(*1) Mounted on epoxy board. 180°Half sine wave

●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	0.4	0.5	0.55	V	$I_F=1.0A$
Reverse current	I_R	-	7.00	50	μA	$V_R=60V$
ESD break down voltage	ESD	20	-	-	kV	C=100pF,R=1.5kΩ, forward and reverse : 1 times

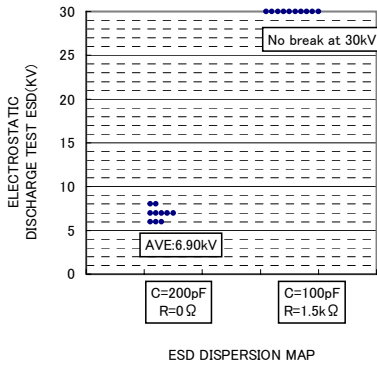
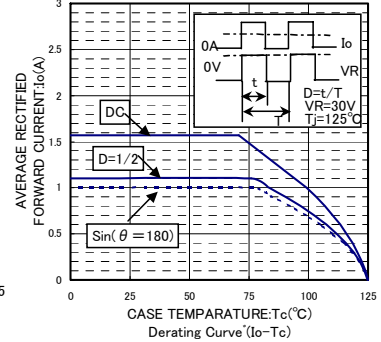
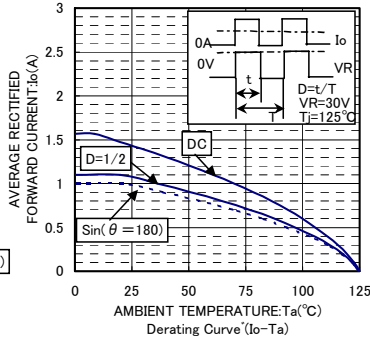
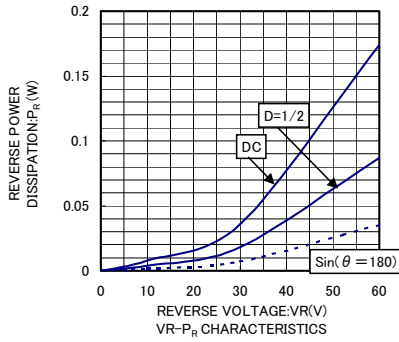
Diodes

●Electrical characteristic curves



RB160A60

Diodes



Appendix

Notes

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