

Schottky barrier Diode

RB095B-30

● **Applications**

General rectification

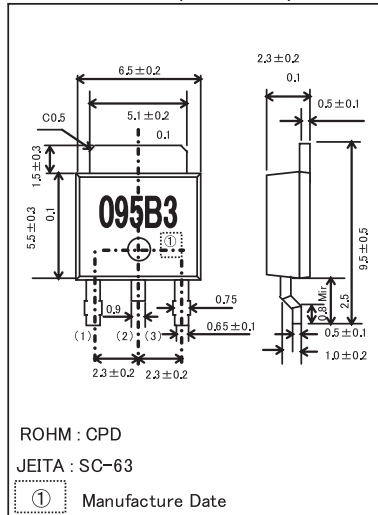
● **Features**

- 1) Power mold type. (CPD)
- 2) Low V_F
- 3) High reliability

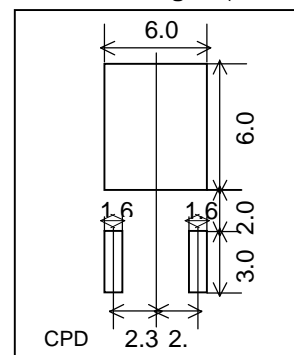
● **Construction**

Silicon epitaxial planar

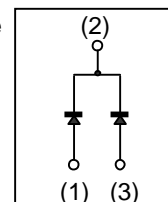
● **Dimensions (Unit : mm)**



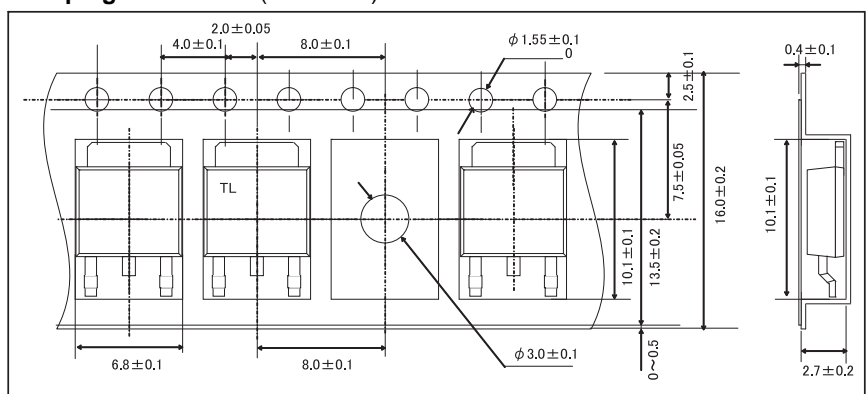
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping dimensions (Unit : mm)**



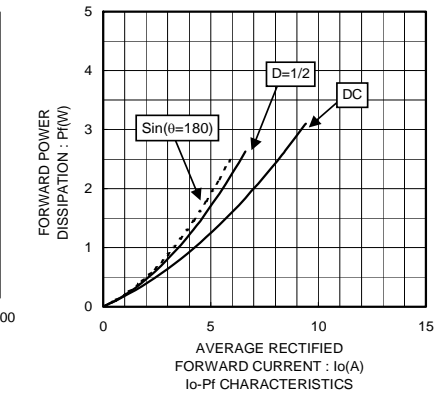
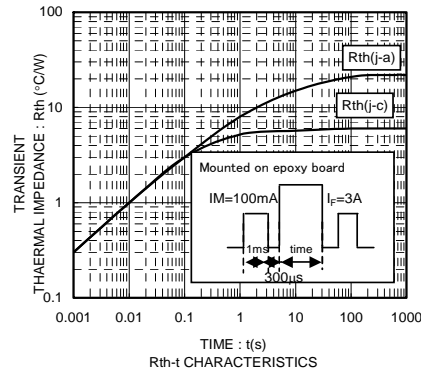
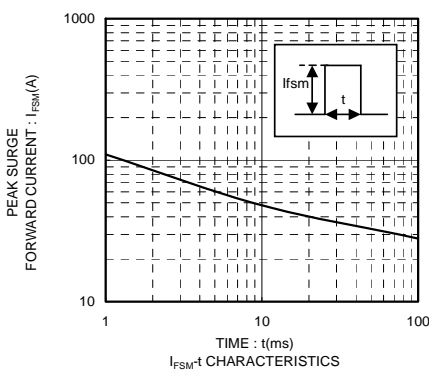
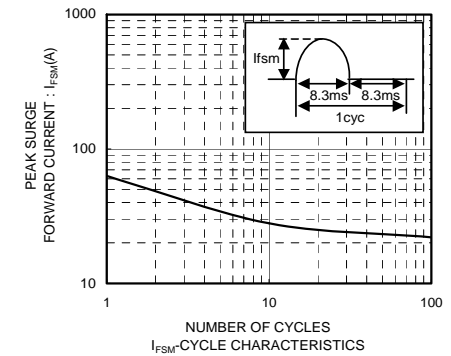
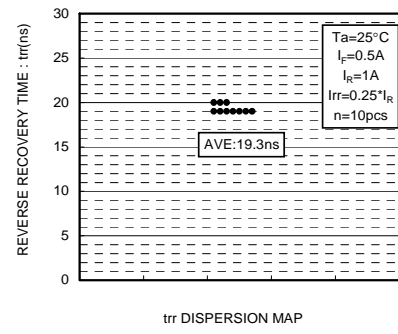
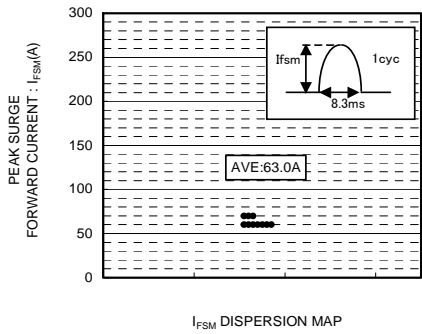
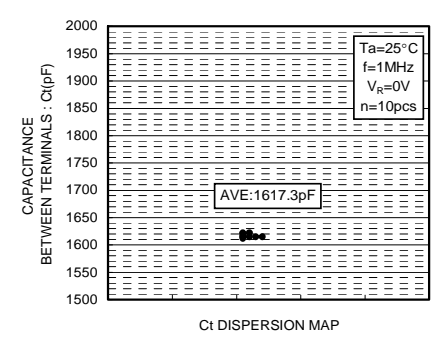
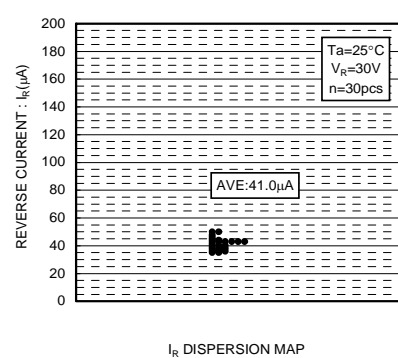
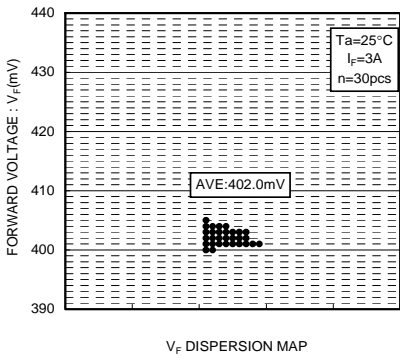
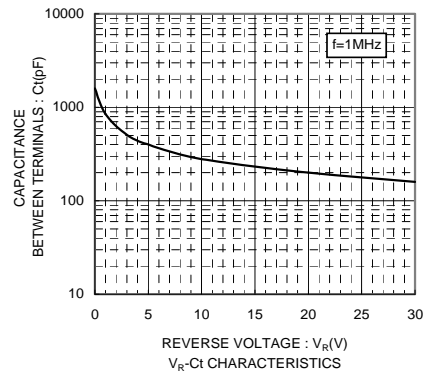
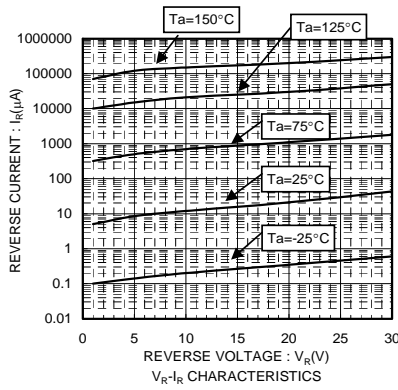
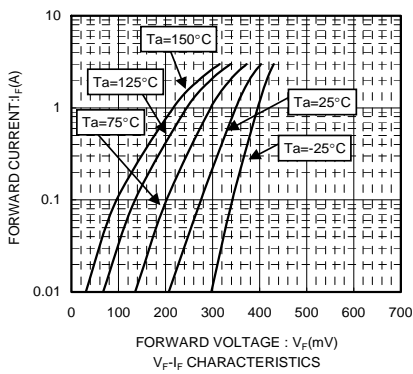
● **Absolute maximum ratings (Ta=25°C)**

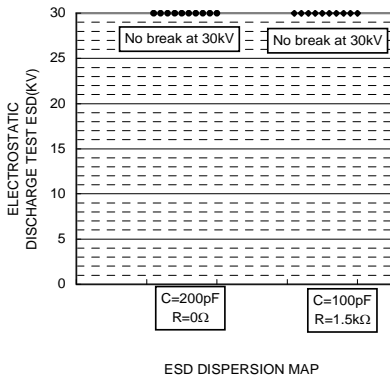
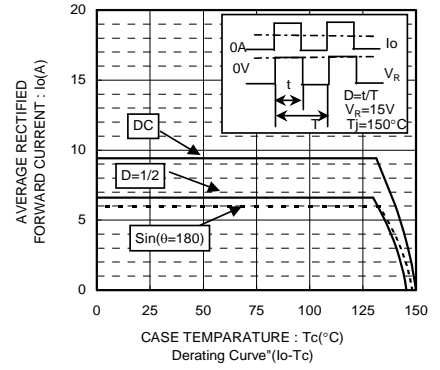
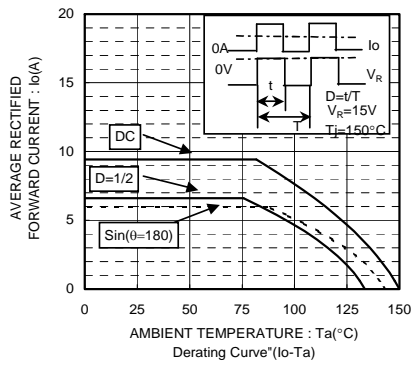
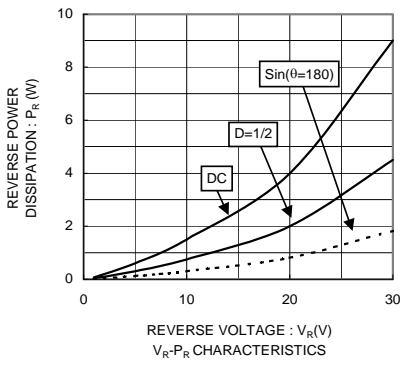
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	35	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current(*1)	I_o	6	A
Forward current surge peak (60Hz·1cyc)(*1)	I_{FSM}	35	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

(*1) Business frequencies, Rating of R-load, 1/2 I_o per diode, Ta=125°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.425	V	$I_F=3.0A$
Reverse current	I_R	-	-	200	μA	$V_R=30V$
Thermal impedance	θ_{jc}	-	-	6.0	°C/W	junction to case





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