

# Schottky barrier diode

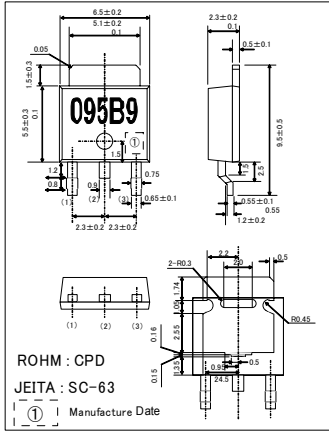
## RB095B-90

●Applications  
General rectification

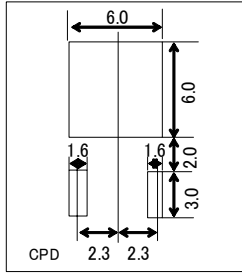
●Features  
1) Power mold type. (CPD3)  
2) Low  $V_f$   
3) High reliability

●Construction  
Silicon epitaxial planar

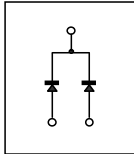
●External dimensions (Unit : mm)



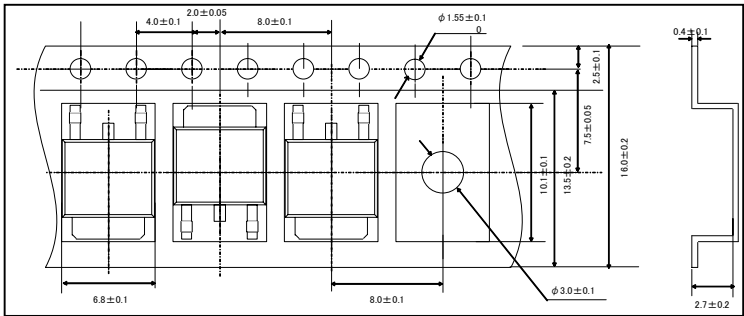
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	90	V
Reverse voltage (DC)	$V_R$	90	V
Average rectified forward current (*1)	$I_o$	6	A
Forward current surge peak (60Hz·1cyc) (*1)	$I_{FSM}$	45	A
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-40 to +150	°C

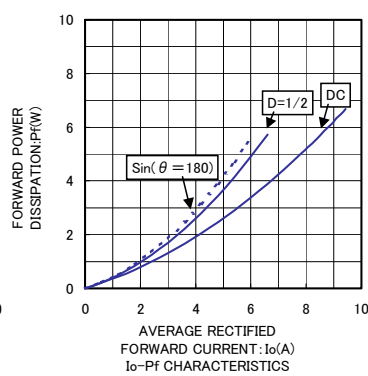
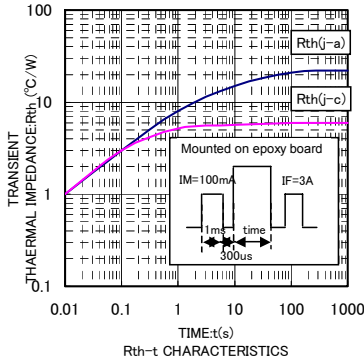
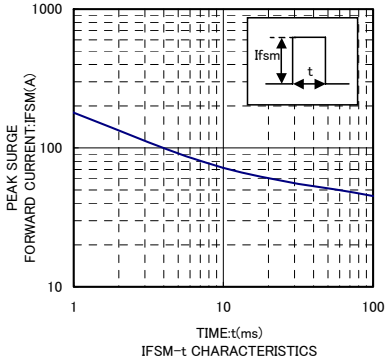
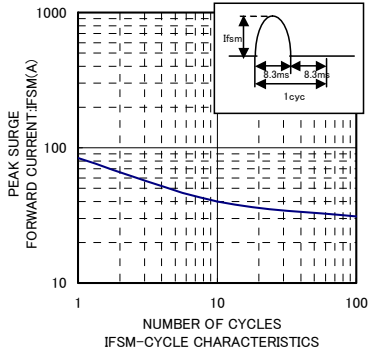
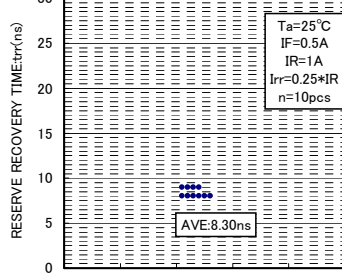
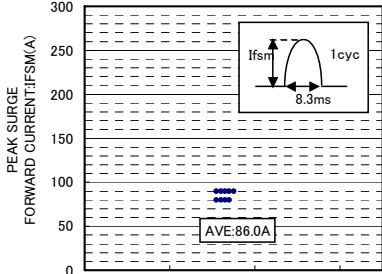
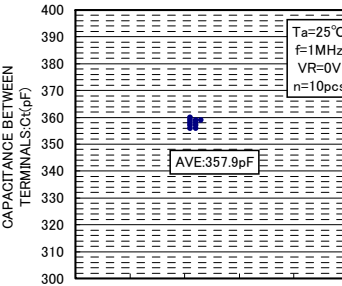
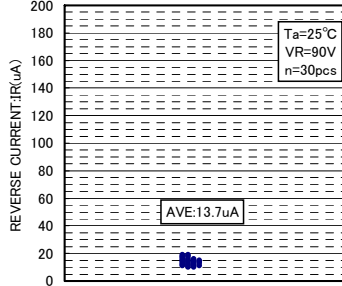
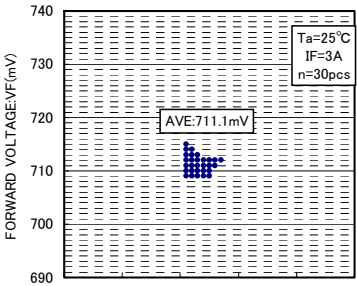
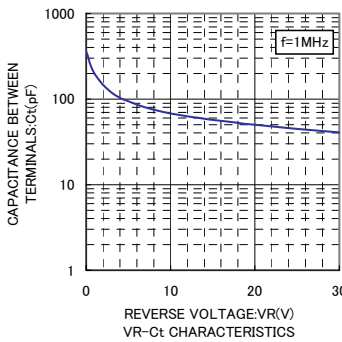
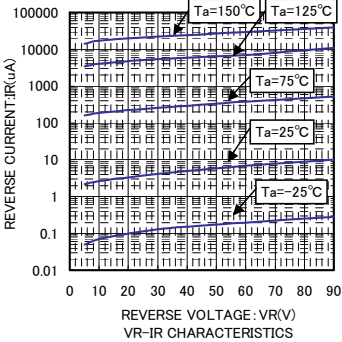
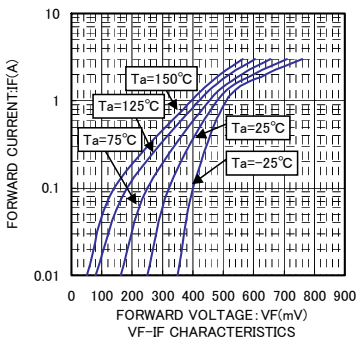
(\*1) Rating of per diode :  $I_o/2$

●Electrical characteristic (Ta=25°C)

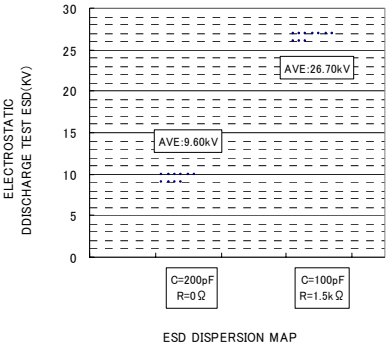
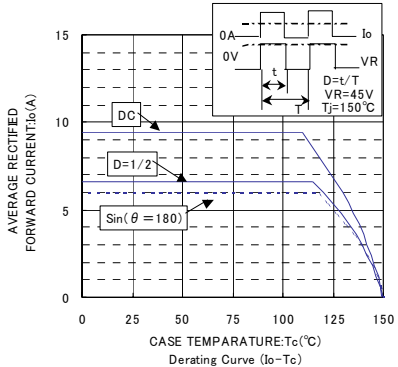
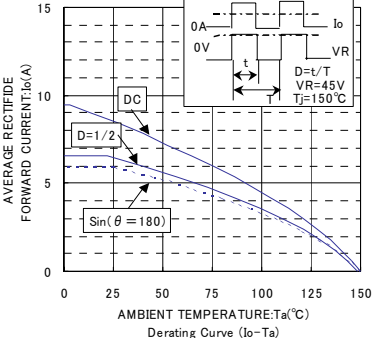
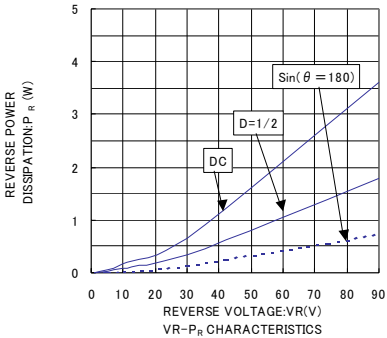
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.75	V	$I_F=3.0A$
Reverse current	$I_R$	-	-	150	μA	$V_R=90V$
Thermal impedance	$\theta_{jc}$	-	-	6.0	°C/W	junction to case

Diodes

●Electrical characteristic curves



Diodes



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