# Schottky barrier diode (Silicon Epitaxial Planer) RB095B-40

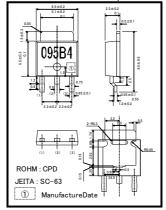
# Applications

General rectification (Common cathode dual chip)

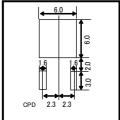
#### Features

- 1) Power mold (CPD3)
- 2) High reliability
- 3) Low VF & Low IR

# ●External dimensions (Unit : mm)



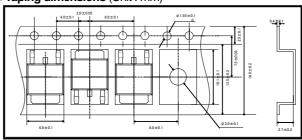
# ●Land size figure



#### Structure



## ● Taping dimensions (Unit: mm)



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

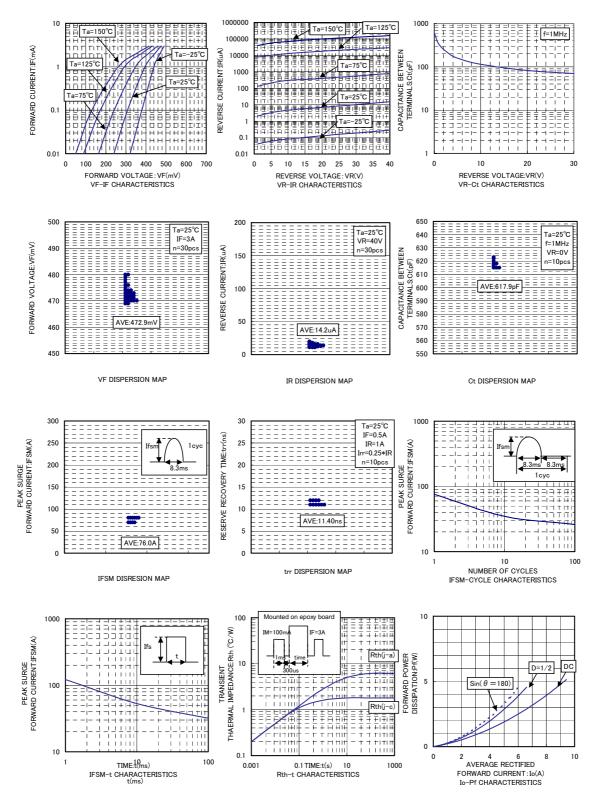
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	VRM	45	V
Reverse voltage (DC)	VR	40	V
Average rectified forward current *	lo	6	Α
Forward current surge peak (60Hz •1cyc.) *	Ігѕм	45	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

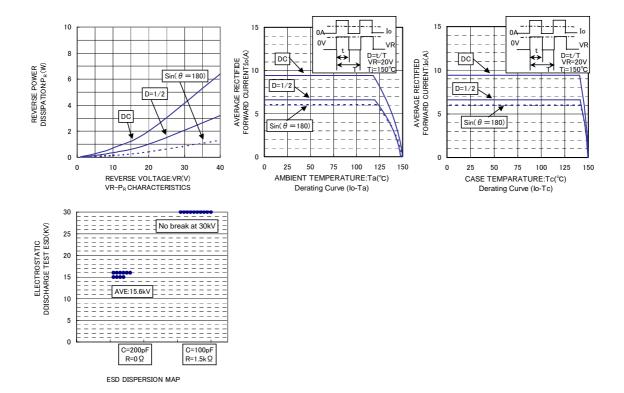
<sup>\*</sup> Business frequencies, Rating of R-load, 1/2 lo per diode, Tc=120°C

# ●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	VF	_	_	0.55	V	I=3.0A
Reverse current	IR	-	_	0.1	mA	V <sub>R</sub> =40V
Thermal impedance	Өјс	_	_	6.0	°C/W	junction to case

#### Electrical characteristic curves





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