

1. PRODUCT Schottky Barrier Diode (Silicon Epitaxial Planar)
2. TYPE RB070L-40
3. APPLICATION General rectification
4. FEATURE
  - Small power mold type (PMDS)
  - High reliability • Low VF

## 5. ABSOLUTE MAXIMUM RATING (Ta=25°C)

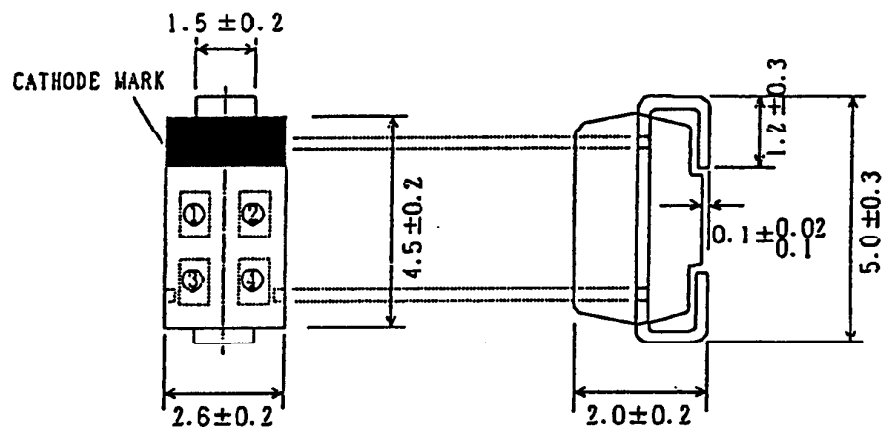
Reverse voltage (repetitive peak)	VRM	40 V
Reverse voltage (DC)	VR	40 V
Average rectified forward current (*1) Io		1.5 A
Forward current (DC)	IF	1.5 A
Forward current surge peak (60Hz~100)	IFSM	70 A
Junction temperature	Tj	125 °C
Storage temperature	Tstg	-55~150 °C

[(\*)1] Glass-epoxy substrate (82×30×1.0mm) at the time of assembly,  
half sine wave at 180° .]

## 6. ELECTRICAL CHARACTERISTIC (Ta=25°C)

Characteristic	Symbol	Test Condition	Standard
Forward voltage	VF	IF= 1.5 A	0.50 V MAX.
Reverse current	IR	VR= 40 V	1.0 mA MAX.
Thermal Resistance	$\theta_{j-a}$	Glass-epoxy substrate at the time of assembly.	120 °C/W MAX.

## 7. DIMENSION (UNIT:mm)



※ ①, ② ..... Type No. EX. RB050L-40 → 3, 7  
 ③, ④ ..... Manufacturing date EX. 1994.12 → 4, C

8. Weight per piece 69 mg / pcs

ROHM CO., LTD.

Design

Approval

ATTENTION!  
 THIS PRODUCT HAS BEEN PRODUCED WITH TENTATIVE SPECIFICATIONS.  
 THE SPECIFICATIONS FOR VOLUME PRODUCTION PRODUCTS ARE SUBJECT  
 TO CHANGE. PLEASE CONDUCT THE EVALUATION USING DRAWING FOR  
 APPROVAL WHEN YOU APPROVE IT OFFICIALLY.

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# ROHM

Specification	Product	Type
	Schottky Barrier Diode	RB070L-40

The product described in this specification is designed to be used with ordinary electronic equipment or devices (such as audio-visual equipment, office-automation equipment, communications devices, electrical appliances, and electronic toys).

Should you intend to use this product with equipment or devices which require an extremely high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), please be sure to consult with our sales representative in advance.