

RKR0103ASKR

Silicon Schottky Barrier Diode for Rectifying

R07DS0566EJ0100 Rev.1.00 Jan 12, 2012

Datasheet

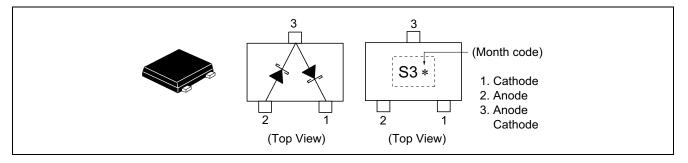
Features

- Low forward voltage drop and suitable for high efficiency rectifying.
- VSON-3 Package is suitable for high density surface mounting.

Ordering Information

Part No	Laser Mark	Package Name	Package Code	Taping Abbreviation (Quantity)
RKR0103ASKR # P1	S3	VSON-3	PUSN0003KA-A	P1 (3,000pcs / reel)

Pin Arrangement



Month Code

Month of Manufacture	Assemble	Month of Manufacture	Assemble
	MALAYSIA	Month of Manufacture	MALAYSIA
January	1	July	7
February	2	August	8
March	3	September	9
April	4	October	W
Мау	5	November	X
June	6	December	Y



Absolute Maximum Ratings

			(Ta = 25°C)
Item	Symbol	Value	Unit
Peak reverse voltage	V _{RM}	30	V
Reverse voltage	V _R	30	V
Average rectified current	I ₀ * ¹	100	mA
Non-Repetitive peak forward surge current	I _{FSM} * ²	1	А
Junction temperature	Тј	125	°C
Storage temperature	Tstg	-55 to +125	°C
•	Tstg	-	v

Notes: 1. Per one device. See Fig.4 – Fig.6.

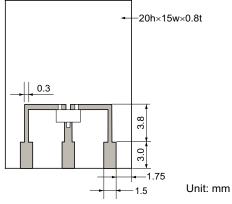
2. $t = 10 \text{ ms} \sin wave 1 \text{ pulse}.$

Electrical Characteristics

 $(Ta = 25^{\circ}C)$

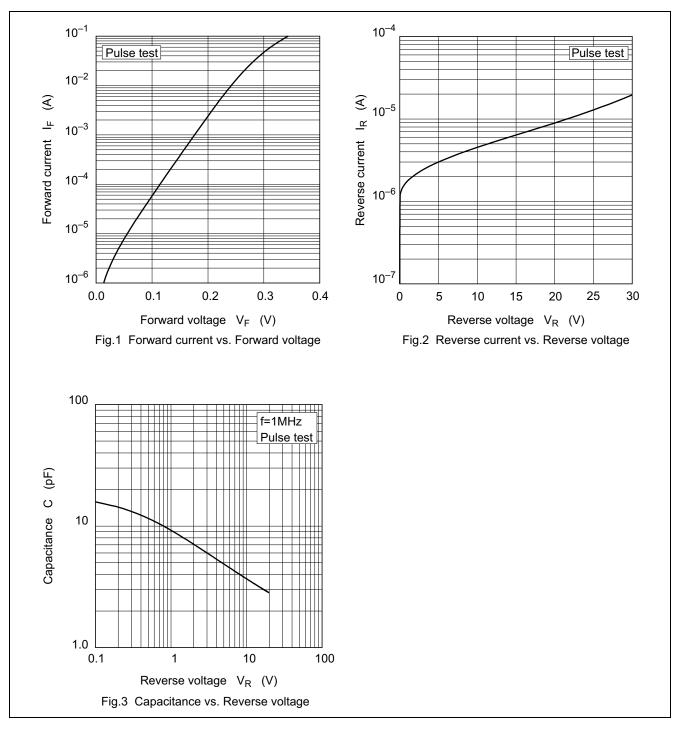
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	—	_	0.25	V	I _F = 1 mA
	V _{F2}	—	—	0.30		I _F = 10 mA
	V _{F3}	—	—	0.40		I _F = 100 mA
Reverse current	I _R	—	—	10	μΑ	V _R = 10 V
Thermal resistance	Rth(j-a)	—	700	_	°C/W	Glass epoxy board *1

Note: 1. Glass epoxy board

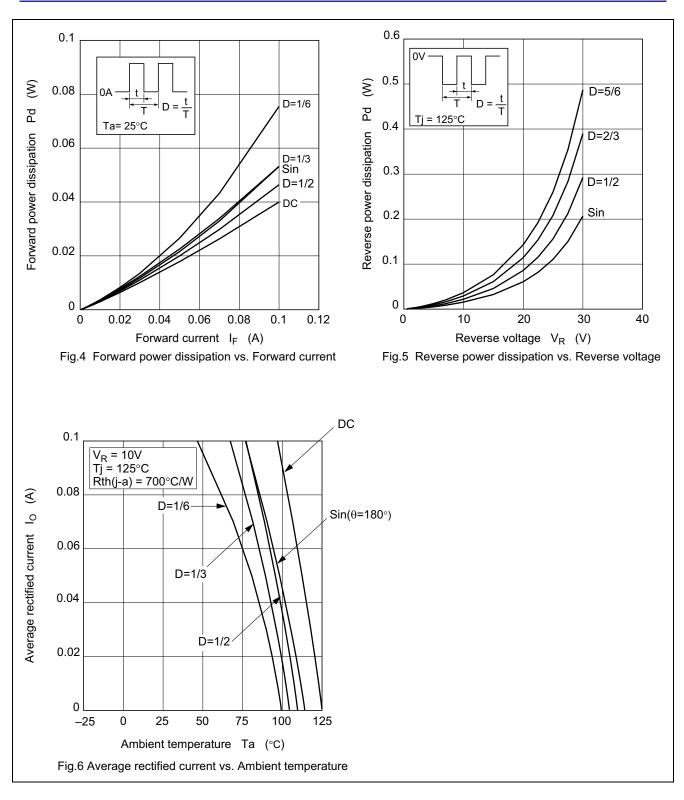




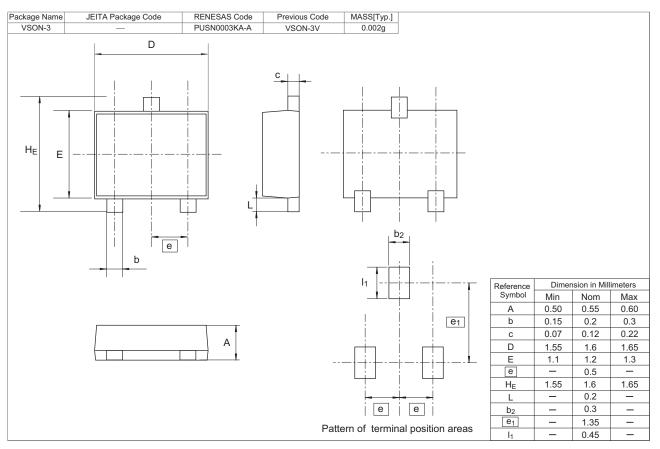
Main Characteristics







Package Dimensions





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