RSX301LA-30

# Diodes

# Shottky barrier diode RSX301LA-30

## Application

General rectification.

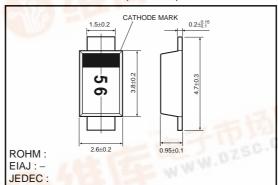
#### Features

- 1) Small and Thin power mold type (PMDT).
- 2) High reliability.
- 3) Low VF, Low IR.

#### Structure

Silicon Epitaxial Planer

# ●External dimensions (Unit : mm)



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

Parameter	Symbol	Limits	Unit				
Reverse voltage (repetitive peak)	VRM	30	V				
Reverse voltage (DC)	VR	30	V				
Average rectified forward current	lo	3.0	A *				
Forward current surge peak (60Hz / 1cyc.)	IFSM	70	Α				
Junction temperature	Tj	150	°C				
Storage temperature	Tstg	-40 to 150	°C				

<sup>\*</sup>On the Glass epoxy substrate, Tc=90°C MAX.

# ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	VF	_	_	0.42	V	I=3.0A
Reverse current	I <sub>R1</sub>	_	_	90	μΑ	V <sub>R</sub> =15V
	IR2	_	_	200	μΑ	VR=30V





## ●Electrical characteristic curves (Ta=25°C)

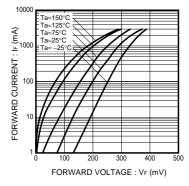


Fig.1 Forward Temperature Characteristics

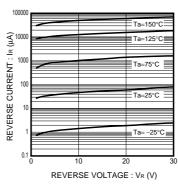


Fig.2 Reverse Temperature Characteristics

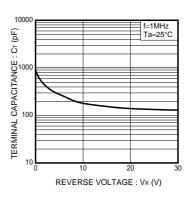
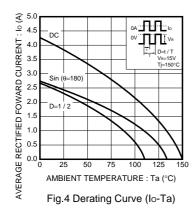
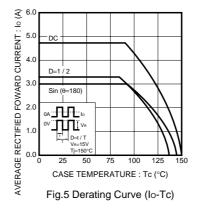


Fig.3 Capacitance Between Terminals Characteristics





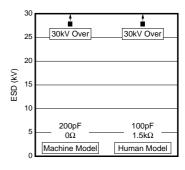


Fig.6 ESD

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