Shottky barrier diode RSX301L-30

Application

High efficient shottky barrier diode Rectifier for power supply units Battery protection against reversal current

Features

1) Small mold type. (PMDS (4526))

2) High reliability.

(ESD resistance typ=30kV over (machine model))

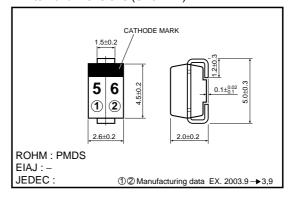
3) Low V_{F} / Low $I_{\text{R}}.$

(V⊧=0.38V at 3A / I⊧=90µA at 30V)

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	A
Forward peak surge current (60Hz / 1cyc.)	FSM	70	A
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to 150	°C

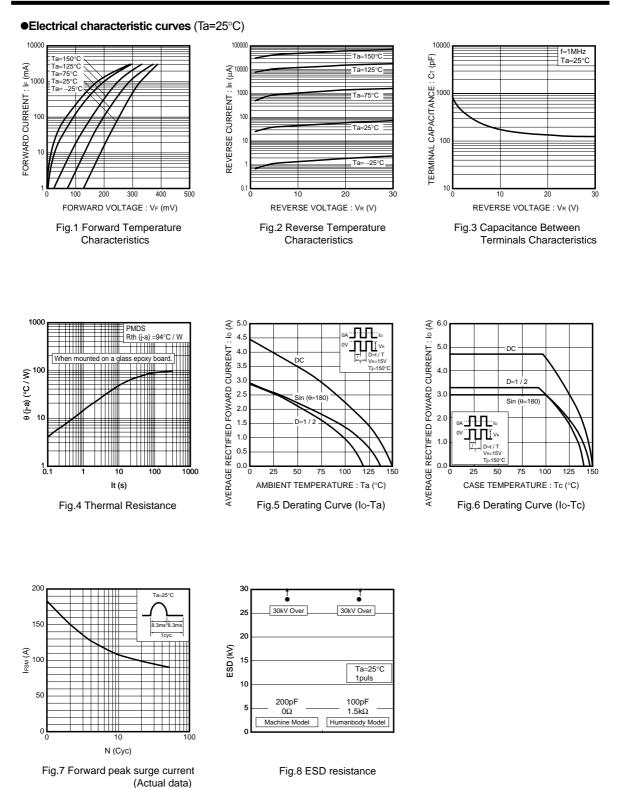
•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	Vf	-	0.38	0.42	V	IF=3A
Reverse current	lr	-	90	200	μA	VR=30V
Capacitance between terminals	Ст	_	180	-	pF	V _R =10V, f=1MHz
Electro static discharge resistance	ESD	_	30	_	kV	C=200pF, R=0Ω 1puls



RSX301L-30

Diodes



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