Shottky barrier diode

RSX301LA-30

Application

General rectification.

Features

1) Small and Thin power mold type (PMDT).

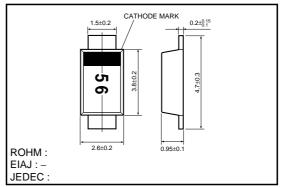
2) High reliability.

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	А
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to 150	°C

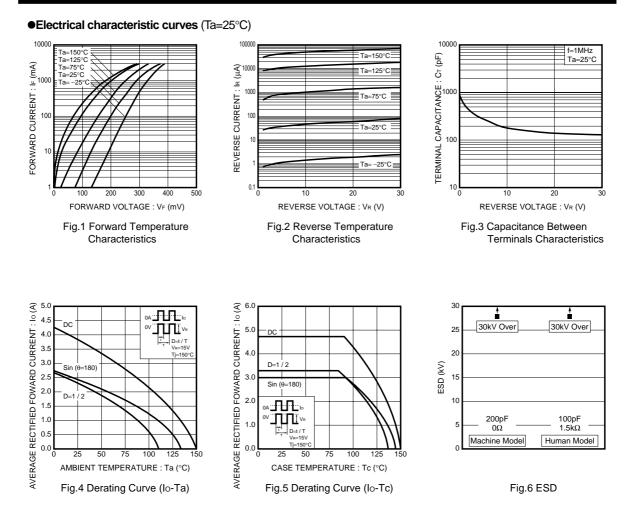
*On the Glass epoxy substrate, Tc=90°C MAX.

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	VF	-	-	0.42	V	IF=3.0A
Reverse current	IR1	-	-	90	μA	VR=15V
	IR2	_	-	200	μA	VR=30V

RSX301LA-30

Diodes



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