Shottky barrier diode

RSX051VA-30

Application

General rectification.

Features

1) Small power mold type. (TUMD2 (1913))

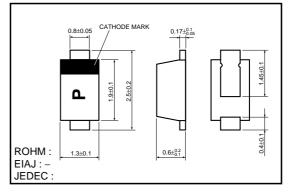
2) High reliability.

3) Low VF / Low IR. (0.35V at 0.7A / 40µA 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	0.5	A
Forward current surge peak (60Hz / 1cyc.)	IFSM	5	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	VF1	-	0.35	0.39	V	IF=0.5A
Reverse current	R2	-	40	200	μA	VR=30V
Capacitance between terminals	Ст	_	30	_	pF	V _R =10V, f=1MHz

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Diodes

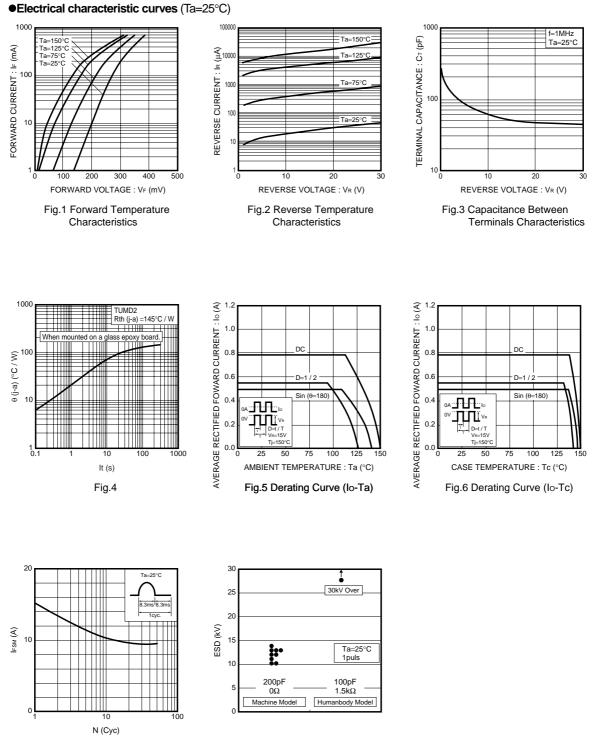


Fig.7

Fig.8 ESD

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Notes

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