Schottky barrier diode RB160M-40

Application

Low V_F schottky barrier diode For switching power supplies Battery protection against reversal current

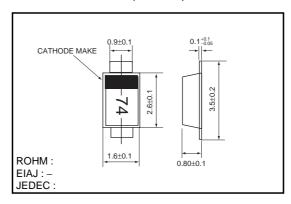
Features

- 1) Small surface mounting type. (PMDU (2616))
- 2) High reliability.
- 3) Low V_F (V_F=0.46V at 1A).

●Structure

Silicon Epitaxial Planer

●External dimensions (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	40	V
Reverse voltage (DC)	VR	40	V
Average rectified forward current	lo	1	A
Forward current surge peak (60Hz / 1cyc.)	I FSM	30	А
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	-	0.46	0.51	V	I==1.0A
Reverse current	lR	_	4.0	30	μΑ	V _R =40V

●Electrical characteristic curves (Ta=25°C)

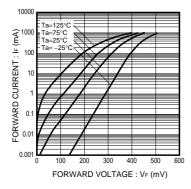


Fig.1 Forward Temperature Characteristics

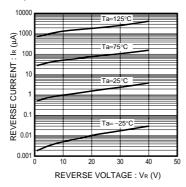


Fig.2 Reverse Temperature Characteristics

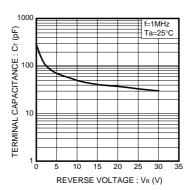
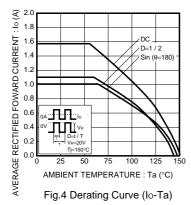
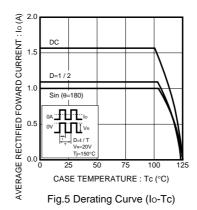


Fig.3 Capacitance Between
Terminals Characteristics





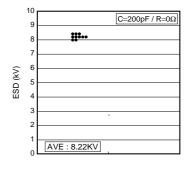


Fig.6 ESD

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