

RB160M-40

Diodes

Schottky barrier diode

RB160M-40

●Application

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

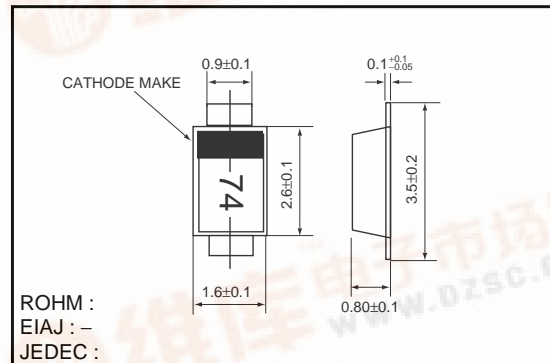
●Features

- 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 ($T_a=25^{\circ}C$)

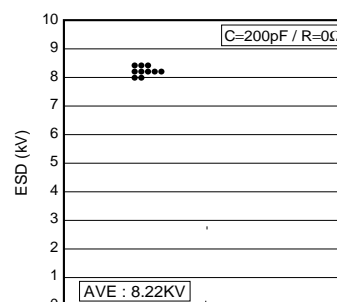
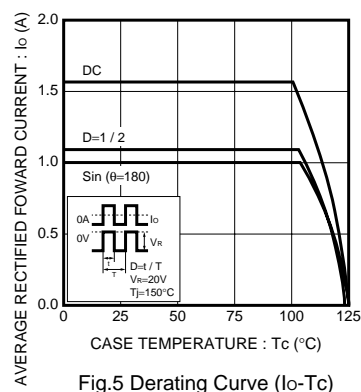
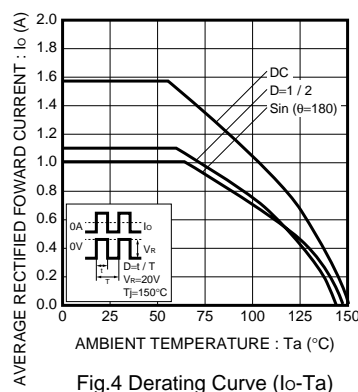
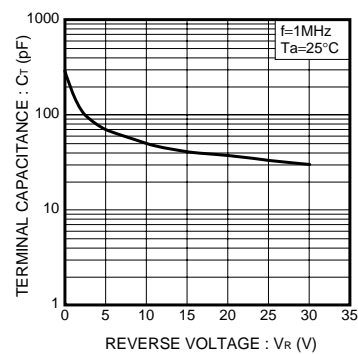
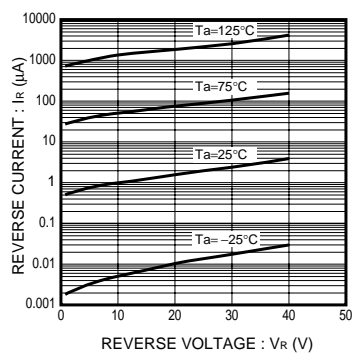
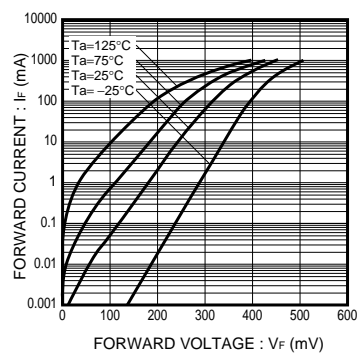
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	40	V
Reverse voltage (DC)	V_R	40	V
Average rectified forward current	I_o	1	A
Forward current surge peak (60Hz / 1cyc.)	I_{FSM}	30	A
Junction temperature	T_j	150	$^{\circ}C$
Storage temperature	T_{stg}	-40 to 150	$^{\circ}C$

●Electrical characteristics ($T_a=25^{\circ}C$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	—	0.46	0.51	V	$I_F=1.0A$
Reverse current	I_R	—	4.0	30	μA	$V_R=40V$

Diodes

●Electrical characteristic curves (Ta=25°C)



Appendix

Notes

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