Schottky barrier diode RB160M-60

Applications

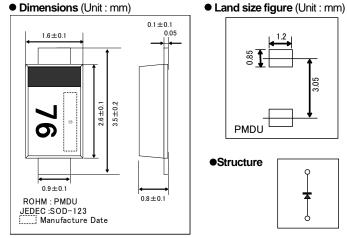
General rectification

● Features

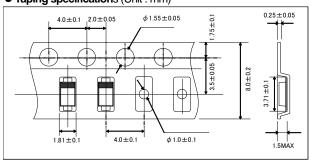
- 1) Small power mold type. (PMDU)
- 2) Low I_R.
- 3) High reliability.

Construction

Silicon epitaxial planar







● Absolute maximum ratings (Ta=25°C)

Australia Hazarram Talings (14–25 C)							
Parameter	Symbol	Limits	Unit				
Reverse voltage (repetitive peak)	V_{RM}	60	V				
Reverse voltage (DC)	V_R	60	V				
Average rectified forward current	lo	1	Α				
Forward current surge peak (60Hz • 1cyc)	I _{FSM}	30	Α				
Junction temperature	Tj	150	°C				
Storage temperature	Tstg	-40 to +150	°C				

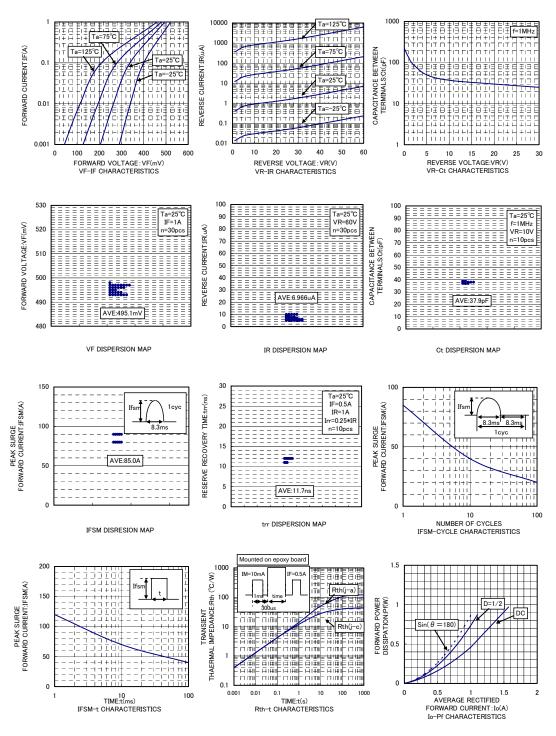
^(*1)Mounted on epoxy board. 180°Half sine wave

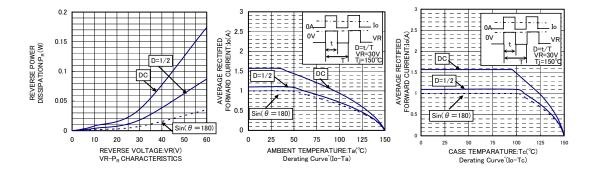
●Electrical characteristics (Ta=25°C)

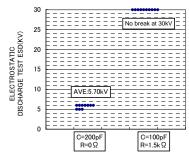
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	0.49	0.55	V	I _F =1.0A
Reverse current	I _R	1	7.0	50	μA	$V_R=60V$
Capacitance terminals	Ct	-	40	-	pF	V _R =10V , f=1MHz

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●Electrical characteristic curves (Ta=25°C)







ESD DISPERSION MAP

Rev.E

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Appendix1-Rev2.0