Shottky barrier diode RB500V-40

Application

Low current rectification

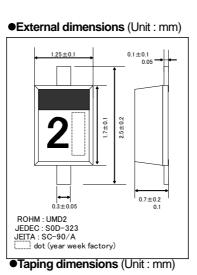
Features

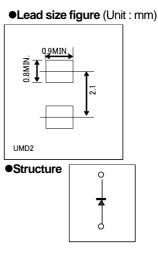
Ultra Small mold type. (UMD2)
Low IR

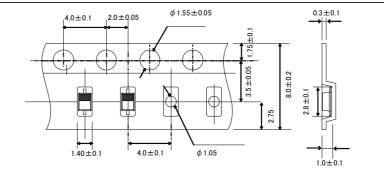
3) High reliability.

Construction

Silicon epitaxial planar







•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	45	V
Reverse voltage (DC)	V _R	40	V
Average rectified forward current	lo	100	mA
Forward current surge peak (60Hz · 1cyc)	I _{FSM}	1	А
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

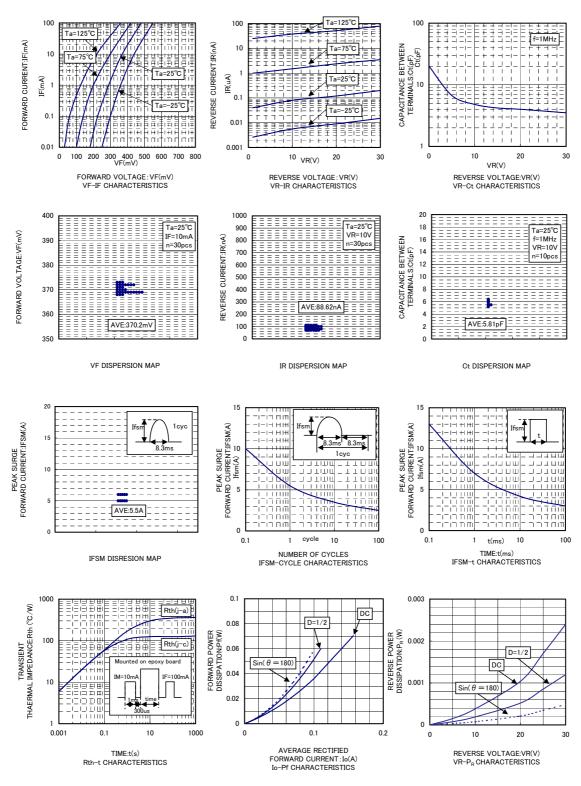
•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.45	V	I _F =10mA
Reverse current	I _R	-	-	1	μA	V _R =10V
Capacitance between terminals	Ct	-	6.0	-	pF	V _R =10V , f=1MHz

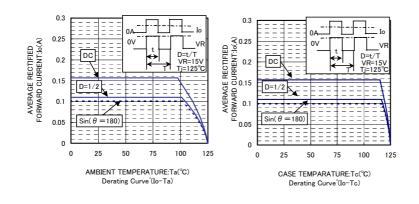


Diodes





2/3





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