# Schottky barrier diode RB751V-40

Applications

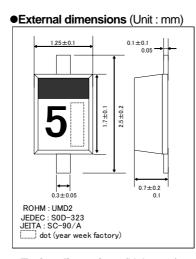
Low current rectification

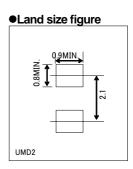
#### Features

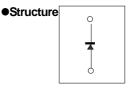
1) Ultra small mold type. (UMD2) 2) Low V⊧ 3) High reliability

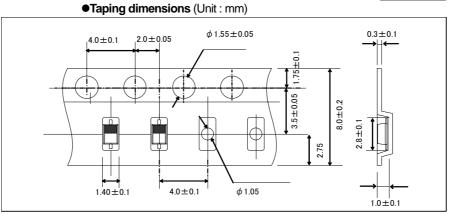
#### Construction

Silicon epitaxial planar









#### •Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V <sub>RM</sub>	40	V
Reverse voltage (DC)	V <sub>R</sub>	30	V
Average rectified forward current	lo	30	mA
Forward current surge peak (60Hz-1cyc)	I <sub>FSM</sub>	200	m A
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

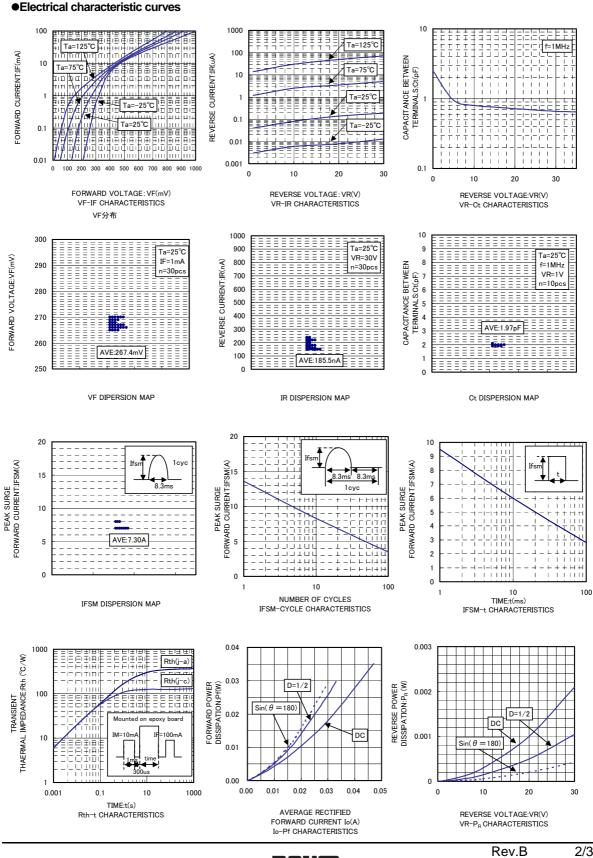
### •Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	0.37	V	I <sub>F</sub> =1mA
Reverse current	I <sub>R</sub>	-	-	0.5	μA	V <sub>R</sub> =30V
Capacitance between terminal	Ct	-	2	-	pF	V <sub>R</sub> =1V, f=1MHz



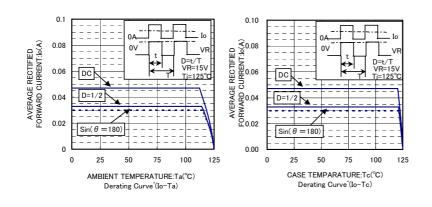
## Diodes

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