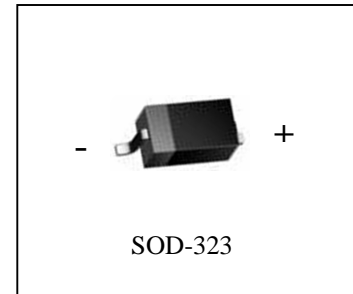


Schottky Barrier Diode

FEATURES

- Low current rectifier schottky diode
- Low voltage, low inductance
- For power supply

RB751V -40



Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter S	ymbol	Limit	Unit
Peak reverse voltage	V_{RM}	40	V
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	0.03	A
Peak forward surge current	I_{FSM}	0.2	A
Power dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	°C/W
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.37	V	$I_F=1mA$
Reverse current	I_R			0.5	μA	$V_R=30V$
Capacitance between terminals	C_T		2		pF	$V_R=1V, f=1MHZ$

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