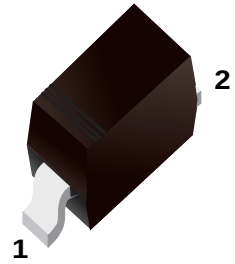


■ Schottky barrier diode

■ Features

- Small surface mounting type.(UMD2)
- Low V_F .($V_F = 0.43V$ Typ.at 100mA)
- High reliability.



■ Simplified outline(SOD-323)

■ Absolute Maximum Ratings $T_a = 25^\circ C$

Characteristic	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	45	V
DC reverse Volatge	V_R	40	V
Mean rectifying current	I_o	0.1	A
Peak forwrad surge current*	I_{FSM}	1	A
Junction temperature	T_j	125	$^\circ C$
Storage temperature	T_{stg}	-40 to +125	$^\circ C$

*60Hz for 1

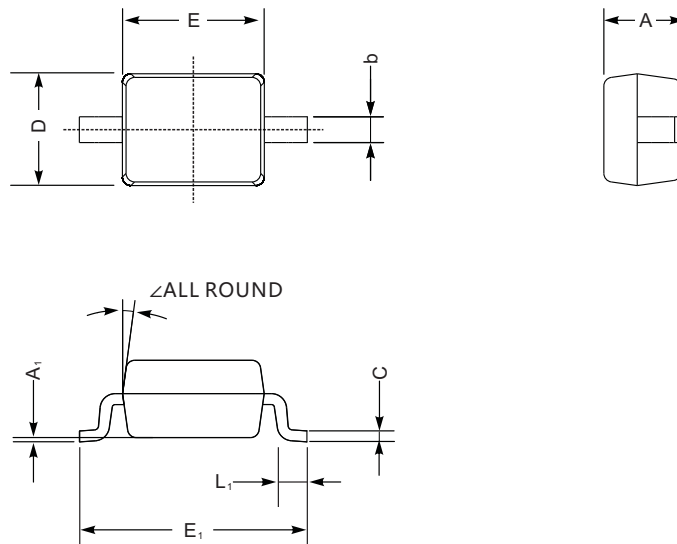
■ Electrical Characteristics $T_a = 25^\circ C$

Characteristic	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	V_{F1}	$I_F = 100\text{ mA}$			0.55	V
Forward Voltage	V_{F2}	$I_F = 10\text{ mA}$			0.34	V
Reverse current	I_R	$V_R = 10\text{ V}$			30	μA
Capacitance between terminals	C_T	$V_R = 10\text{ V}, f = 1\text{ MHz}$		6.0		pF

■ Marking

Marking	4
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■ SOD-323



SOD-323 mechanical data

UNIT		A	C	D	E	E ₁	b	L ₁	A ₁	∠
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2	9°
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—	
mil	max	43	5.9	55	70	108	16	16	8	
	min	32	3.1	47	63	100	9.8	7.9	—	

■ The recommended mounting pad size

