

Schottky Barrier Diode

Features

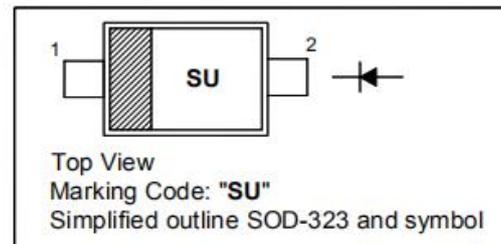
- Low forward voltage
- Low reverse current

Applications

- High Speed Switching

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	v
Mean rectifying current	I_O	0.1	A
Non-repetitive Peak Forward Surge Current@ $t=8.3\text{ms}$	I_{FSM}	1	A
Power dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	C/W
Operating Junction Temperature Range	T_j	-40 ~ +125	C
Storage Temperature Range	T_{stg}	-55 ~ +150	C

Electrical Characteristics ($T_a = 25\text{ }^\circ\text{C}$)

Forward voltage	V_F		0.35	V	$I_F=1\text{mA}$
Forward voltage	V_F		0.45	v	$I_F=10\text{mA}$
Forward voltage	V_F		0.60	v	$I_F=100\text{mA}$
Reverse current	I_R		5	μA	$V_R=40\text{V}$
Capacitance between terminals	C_T		25	pF	$V_R=0\text{V}$, $f=1\text{MHz}$

Typical Characteristics

