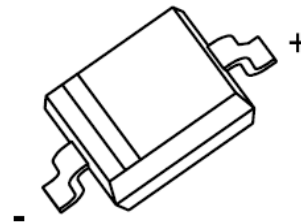


FEATURES

- Small Surface Mounting Type
- Low V_F and I_R
- High Reliability

APPLICATIONS

- General Rectification



SOD-323

MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RM}	Non-Repetitive Peak Reverse Voltage	30	V
I_O	Continuous Forward Current	1	A
I_{FSM}	Non-repetitive Peak Forward Surge Current@t=8.3ms	3	A
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	500	$^\circ\text{C}/\text{W}$
T_j	Junction Temperature	125	$^\circ\text{C}$
T_{stg}	Storage Temperature	-55~+150	$^\circ\text{C}$

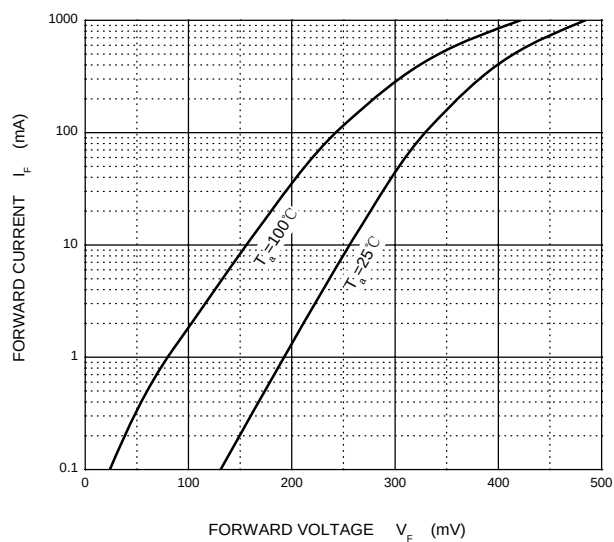
ELECTRICAL CHARACTERISTICS($T_a = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R = 1\text{mA}$	30			V
Reverse current	I_R	$V_R = 10\text{V}$			0.03	mA
Forward voltage	V_F	$I_F = 700\text{mA}$			0.49	V
		$I_F = 1\text{A}$			0.52	

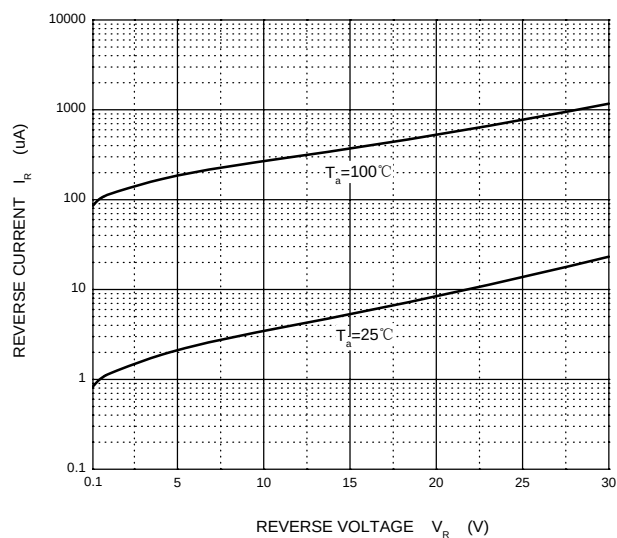


Typical Characteristics

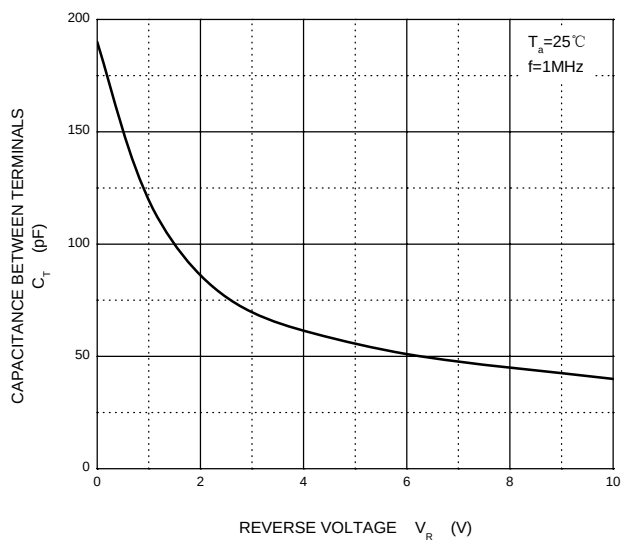
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

