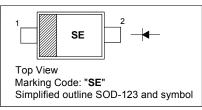
SURFACE MOUNT SCHOTTKY POWER RECTIFIER

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Non-Repetitive Peak Reverse Voltage	V_{RSM}	30	V
Maximum DC Blocking Voltage	V_R	30	V
Average Forward Rectified Current	I _{F(AV)}	0.5	А
Peak Forward Surge Current (8.3 ms Single Half Sine-wave)	I _{FSM}	5.5	А
Thermal Resistance Junction to Lead	$R_{ heta JL}$	150	°C/W
Thermal Resistance Junction to Ambient 1)	$R_{ heta JA}$	206	°C/W
Operating Junction Temperature	T _J	- 65 to + 125	°C
Storage Temperature Range	T _{stg}	- 65 to + 125	°C

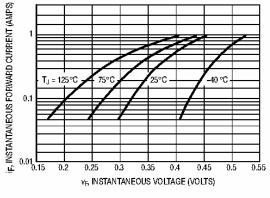
^{1) 1} inch square pad size (1 X 0.5 inch for each lead) on FR4 board

Electrical Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 100 \text{ mA}$ at $I_F = 500 \text{ mA}$	V_{F}	0.375 0.5	V
Reverse Current at $V_R = 30 \text{ V}$ at $V_R = 15 \text{ V}$	I _R	130 20	μΑ







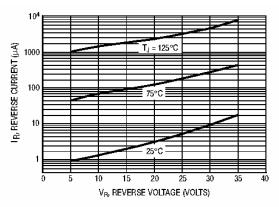


Figure 1. Typical Forward Voltage

Figure 2. Typical Reverse Current

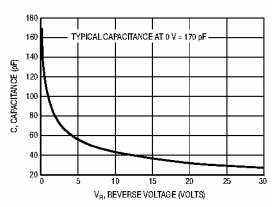


Figure 3. Typical Capacitance







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PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123

