

SDB0230G

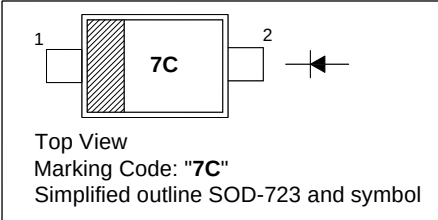
Schottky Barrier Diode

Features

- Low forward voltage drop
- Low reverse current
- Extremely fast switching speed

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

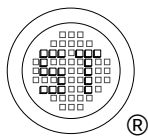


Absolute Maximum Ratings ($T_a = 25^{\circ}\text{C}$)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Average Rectified Forward Current	$I_{F(AV)}$	200	mA
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	$R_{\theta JA}$	600	$^{\circ}\text{C/W}$
Operating and Storage Temperature Range	T_J, T_{stg}	- 55to + 125	$^{\circ}\text{C}$

Characteristics at $T_a = 25^{\circ}\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10 \text{ mA}$ at $I_F = 200 \text{ mA}$	V_F	0.325 0.5	V
Reverse Current at $V_R = 10 \text{ V}$	I_R	10	μA



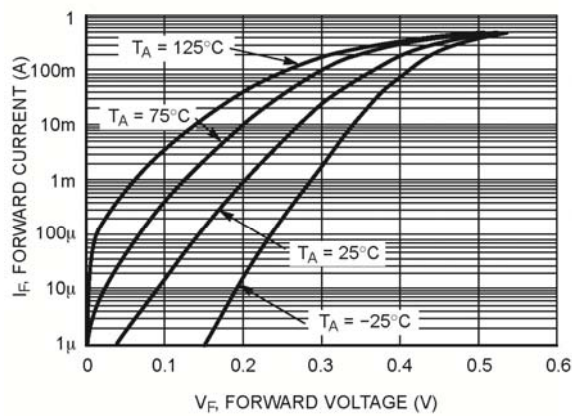


Figure 1. Forward Characteristics

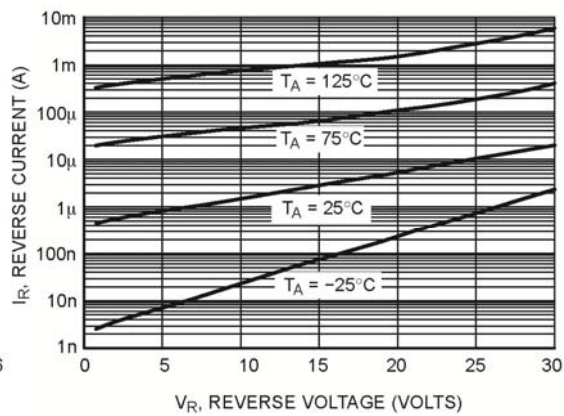


Figure 2. Reverse Characteristics

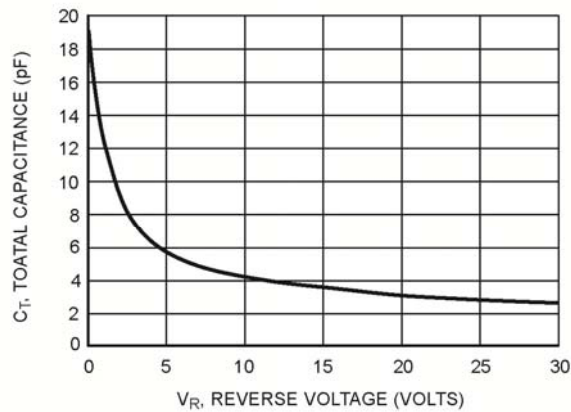
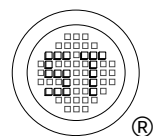


Figure 3. Total Capacitance



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Plastic surface mounted package; 2 leads

SOD-723

Package Outline Dimensions (Units: mm)

