

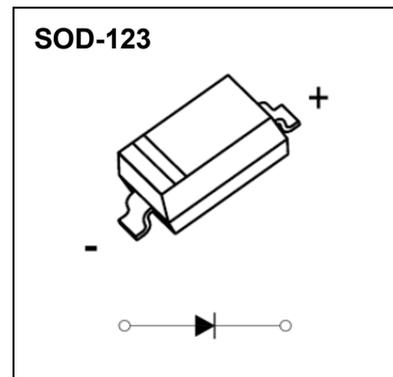
Plastic-Encapsulate Diodes

SCHOTTKY BARRIER DIODE

FEATURES

- Small surface mounting type
- Low forward voltage
- High reliability

MARKING: 74



The marking bar indicates the cathode

Maximum Ratings and Electrical Characteristics, Single Diode @ $T_A=25^\circ\text{C}$

Parameter	Symbol	Limits	Unit
DC reverse voltage	V_R	40	V
Mean rectifying current	I_o	1	A
Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	I_{FSM}	15	A
Power Dissipation	P_D	350	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	200	$^\circ\text{C/W}$
Operating Junction Temperature Range	T_j	-40 ~ +125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 ~ +150	$^\circ\text{C}$

Electrical Ratings @ $T_A=25^\circ\text{C}$

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F			0.51	V	$I_F=1\text{A}$
Reverse current	I_R			30	μA	$V_R=40\text{V}$

Typical Characteristics
