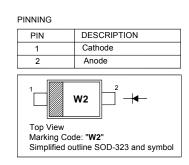
SWITCHING DIODE



Absolute Maximum Ratings (T_a = 25 °C)

Parameter		Symbol	Value	Unit
Peak Repetitive Reverse Voltage		V _{RRM}	70	V
Average Rectified Forward Current	Forward Current		200	mA
Non-repetitive Peak Forward Surge Current	att=1s att=1µs	I _{FSM}	1 2	А
Power Dissipation		P _d	250	mW
Operating Junction Temperature Range		Tj	150	°C
Storage Temperature Range		T _{stg}	- 55 to + 150	°C

Characteristics at T_a = 25 °C

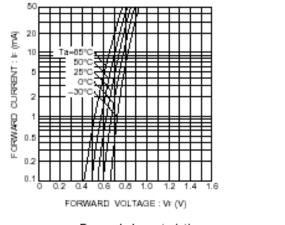
Parameter	Symbol	Min.	Max.	Unit
Reverse Voltage at I _R = 100 μA	V _R	70	-	V
Forward Voltage at $I_F = 1 \text{ mA}$ at $I_F = 10 \text{ mA}$ at $I_F = 50 \text{ mA}$	V _F	- - -	715 855 1	mV mV V
Reverse Voltage at $V_R = 70 V$ at $V_R = 25 V$, $T_a = 150 °C$ at $V_R = 70 V$, $T_a = 150 °C$	I _R	- - -	5 60 100	μΑ
Reverse Recovery Time at $I_F = I_R = 10$ mA to $I_R = 1$ mA, $R_L = 100 \Omega$	t _{rr}	-	6	ns
Total Capacitance at f = 1 MHz	CT	-	1.5	pF



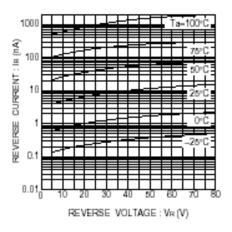


Exchange, Stock Code: 724)

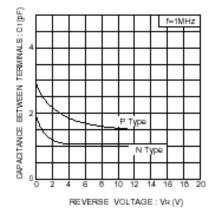


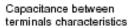


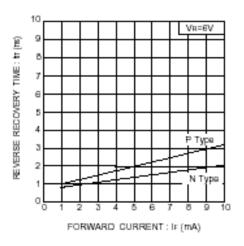
Forward characteristics



Reverse characteristics







Reverse recovery time



SEMTECH ELECTRONICS LTD. (Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)

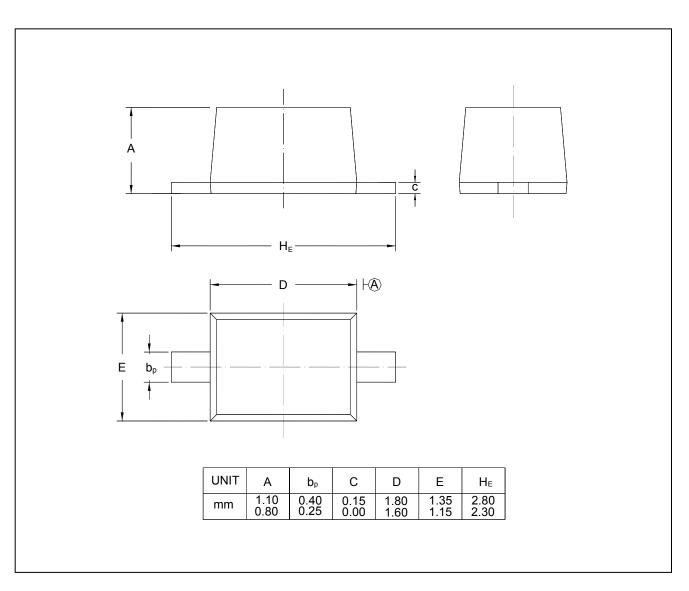


Dated : 07/04/2009

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323









Dated : 07/04/2009