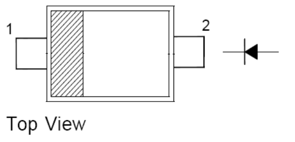
BAT64-02W

Surface Mount Schottky Barrier Diodes

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Simplified outline SOD-523 and symbol

Features

- Low Forward Voltage

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	40	V
Reverse Voltage	V_R	40	V
Average Forward Rectified Current	$I_{F(AV)}$	250	mA
Non-Repetitive Peak Forward Surge Current at t = 1 s	I_{FSM}	2	A
Power Dissipation	P_{tot}	200	mW
Operating and Storage Temperature Range	T_j, T_{stg}	- 65 to + 125	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage at I_R = 10 ÿA	$V_{(BR)R}$	40	- - -	- - -	V
Reverse Leakage Current at V_R = 30 V at V_R = 20 V at V_R = 10 V	I_R	- - -	- - -	5 5 5	µA
Forward Voltage at I_F = 20 mA at I_F = 200 mA	V_F	- -	- -	0.37 0.6	V
Total Capacitance at V_R = 0 V, f = 1 MHz	C_T	-	50	-	pF
Reverse Recovery Time at $I_F = I_R$ = 200 mA, $I_{rr} = 0.1\ I_R$, R_L = 100 Ω	t_{rr}	-	10	-	ns

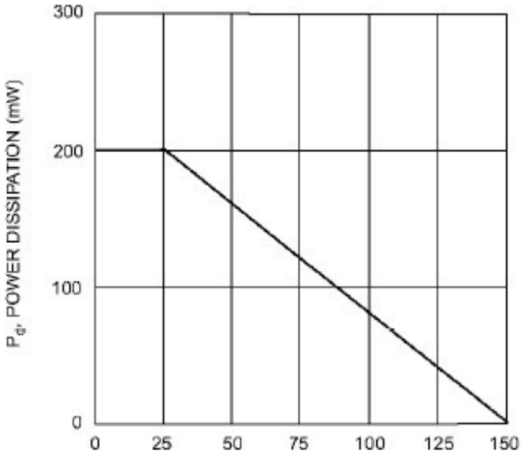


Fig. 1 Power Derating Curve

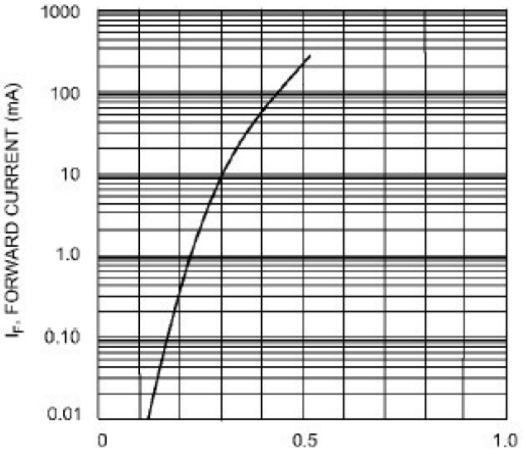


Fig. 2 Typical Forward Characteristics

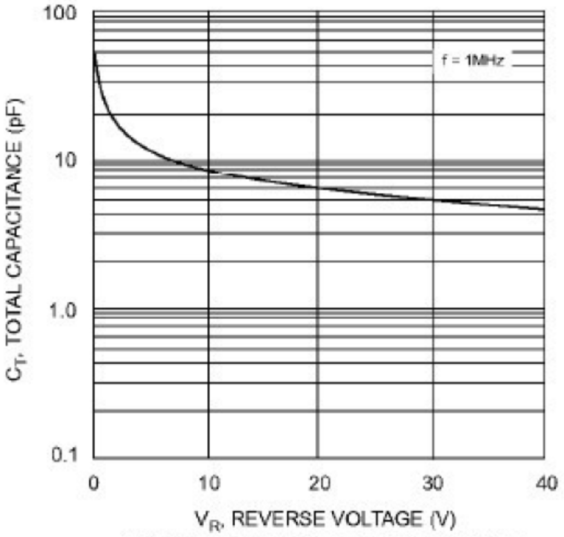
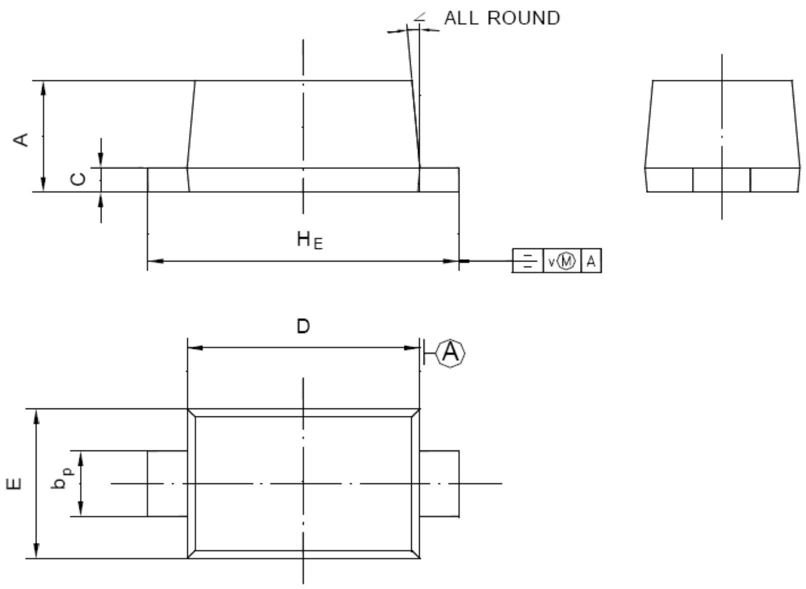


Fig. 3 Total Capacitance vs Reverse Voltage

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads SOD-523



UNIT	A	b_p	C	D	E	H_E	V	∠
mm	0.70 0.60	0.4 0.3	0.135 0.100	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°

单击下面可查看定价，库存，交付和生命周期等信息

[>>SHIKUES(时科)]