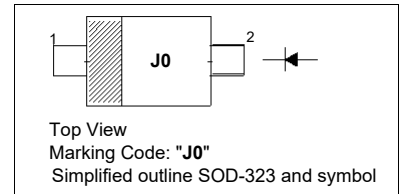


BAT62WS SCHOTTKY BARRIER DIODE

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

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

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	40	V
Forward Current	I_F	20	mA
Total Power Dissipation	P_{tot}	100	mW
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^{\circ}\text{C}$

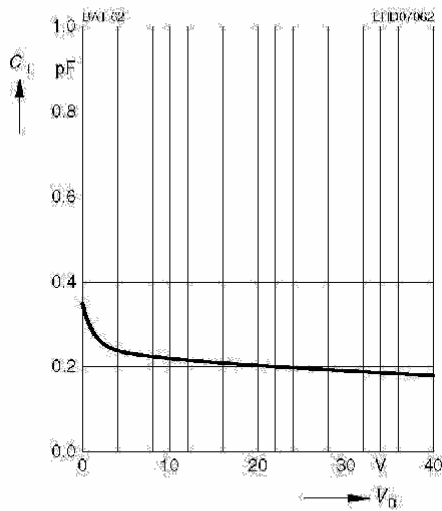
Characteristics at $T_a = 25^{\circ}\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 2 \text{ mA}$	V_F	1	V
Reverse Current at $V_R = 40 \text{ V}$	I_R	10	μA
Diode Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_T	0.6	pF

Typical Characteristics

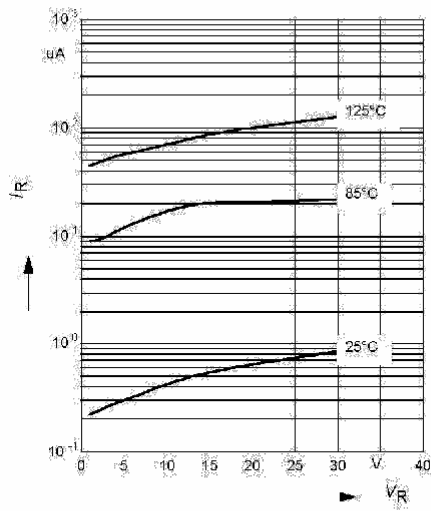
Diode capacitance $C_T = f(V_R)$

$f = 1\text{MHz}$



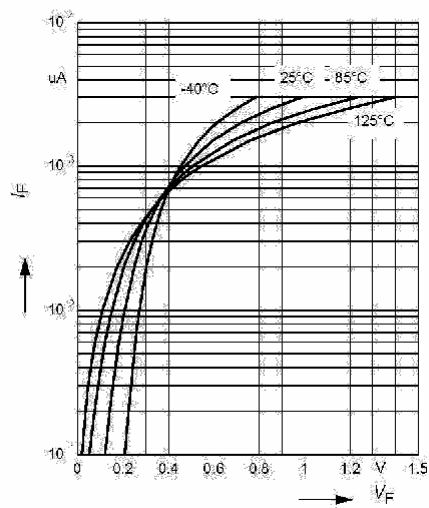
Reverse current $I_R = f(V_R)$

$T_A = \text{Parameter}$

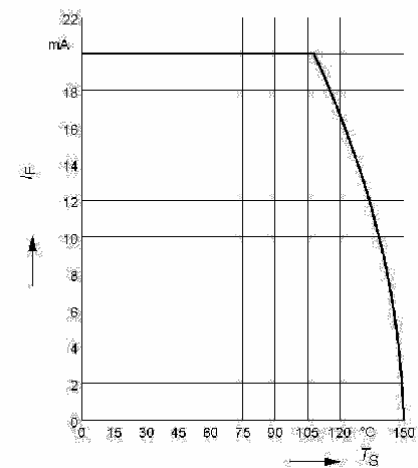


Forward current $I_F = f(V_F)$

$T_A = \text{Parameter}$



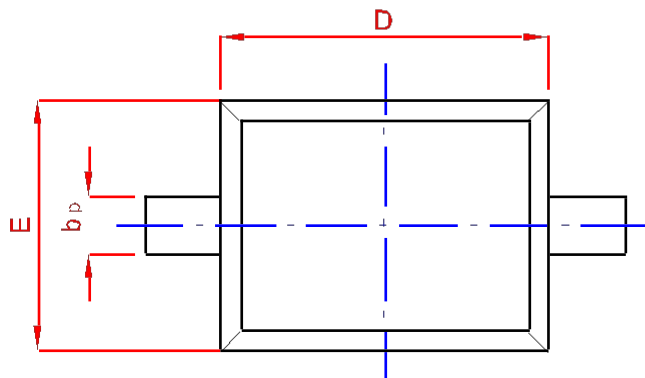
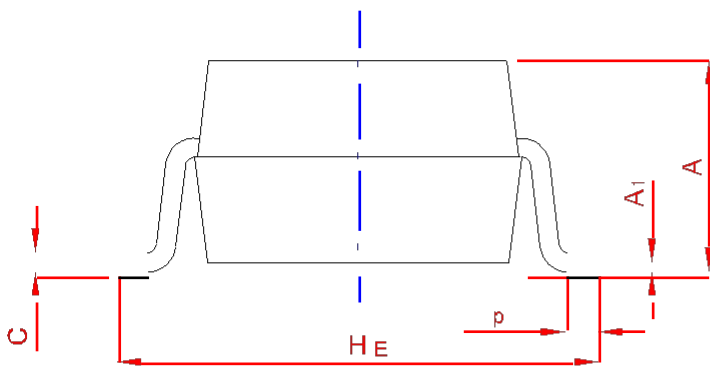
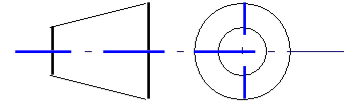
Forward current $I_F = f(T_S)$



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



UNIT	A	bp	C	D	E	HE	A1	Lp
mm	1.20 0.90	0.40 0.25	0.15 0.10	1.80 1.60	1.35 1.15	2.80 2.30	0.10 0.01	0.50 0.20