

Schottky Barrier Diode

BAT760

FEATURES

- Ultra high-speed switching
- Very low forward voltage
- Guard ring protected
- Very small SMD plastic package



Lead-free

1 CATHODE 2 ANODE



SOD-323

APPLICATIONS

- Ultra high-speed switching
- Voltage clamping
- Protection circuits.

ORDERING INFORMATION

Type No.	Marking	Package Code
BAT760	A4	SOD-323

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Limits	Unit
continuous reverse voltage	V_R	20	V
continuous forward current	I_F	1	A
Forward Surge Current	I_{FSM}	5	A
Total Power Dissipation	P_{tot}	350	mW
Junction temperature	T_j	125	°C
Storage temperature range	T_{stg}	-65 to +150	°C

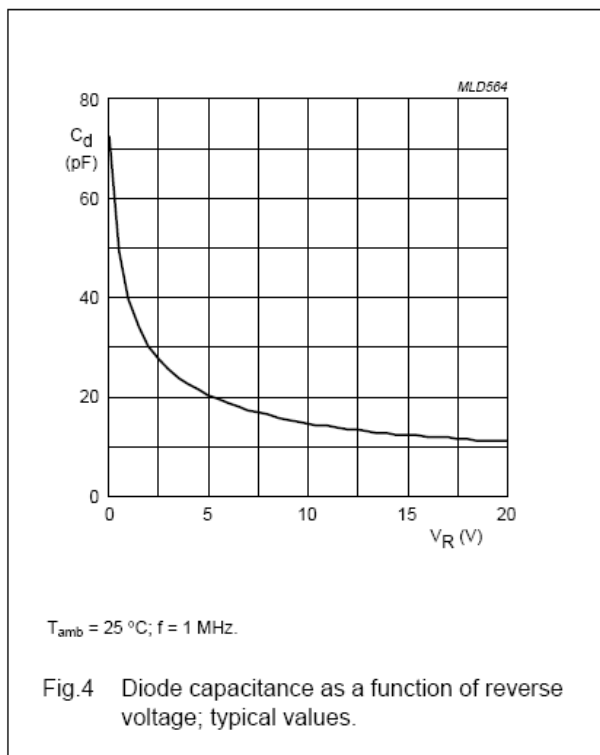
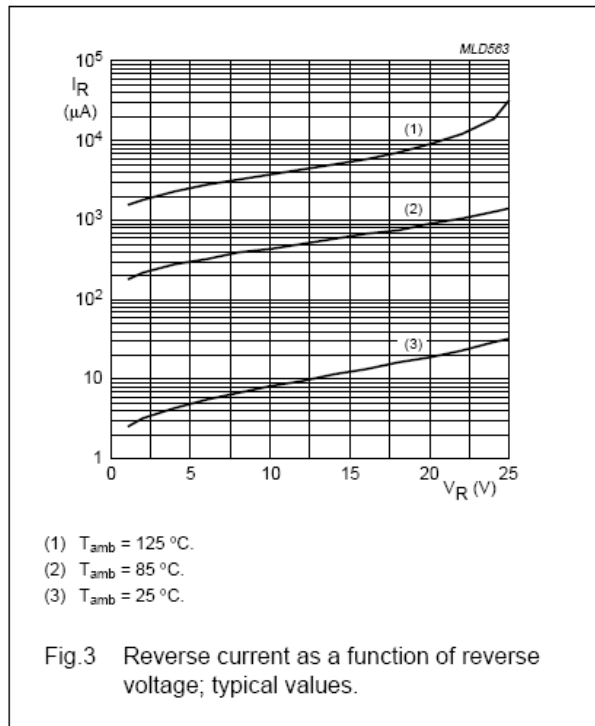
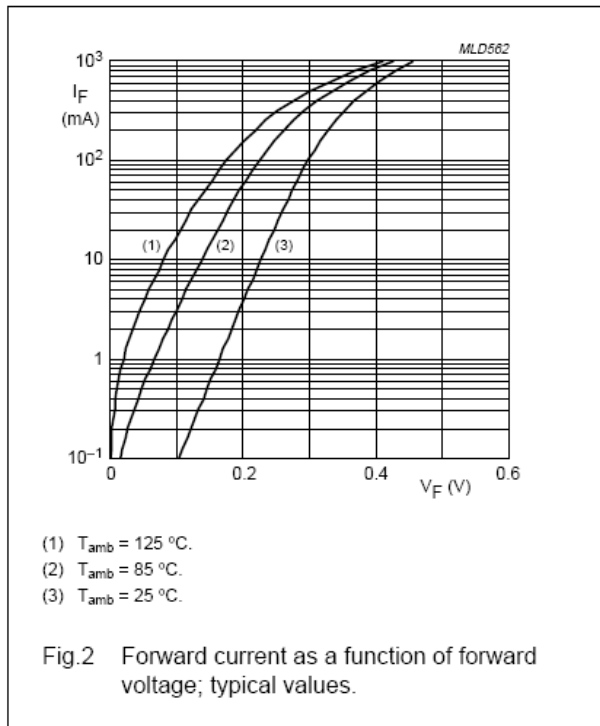
ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Conditions	Typ.	Max.	Unit
Forward voltage	V_F	$I_F=10mA$	240	270	mV
		$I_F=100mA$	300	350	
		$I_F=1A$	480	550	
Reverse current	I_R	$V_R=5v$	5	10	μA
		$V_R=8v$	7	20	
		$V_R=15v$	10	50	
Capacitance between terminals	C_d	$V_R=5v, f=1MHz$	19	25	pF

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TYPICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified



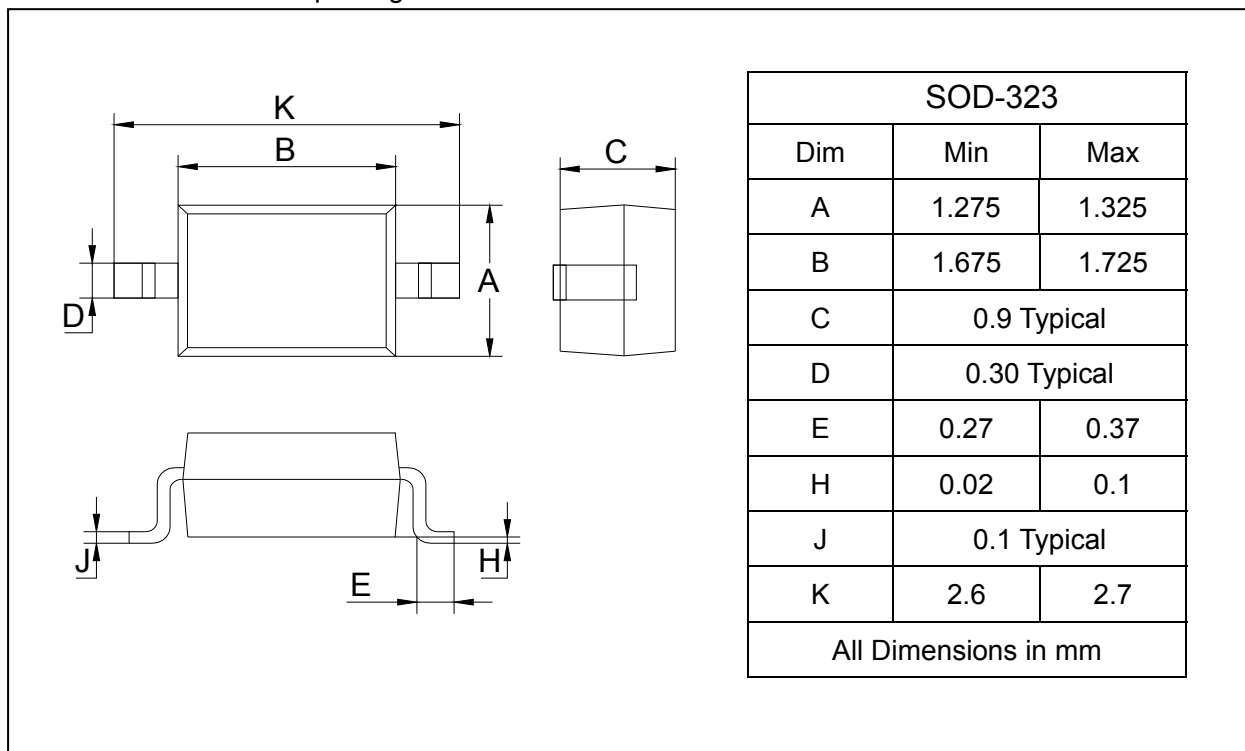
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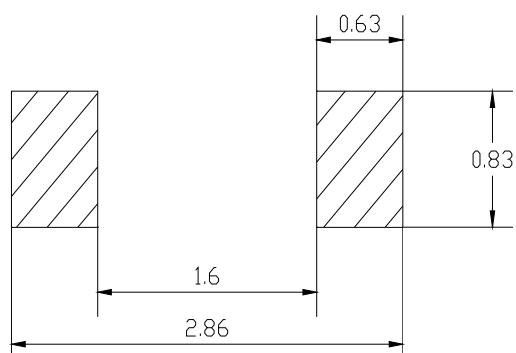
PACKAGE OUTLINE

Plastic surface mounted package

SOD-323



SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
BAT760	SOD-323	3000/Tape&Reel