

- ◇ Fast Switching
- ◇ Low Forward Voltage Schottky Rectifier
- ◇ SOD323F Thin SMD package (Fig-1)
- ◇ RoHS compliant / Green EMC
- ◇ Matte Tin (Sn) Lead finish
- ◇ Moisture Level Sensitivity 1
- ◇ Cathode Band / Device marking

Device Marking Code	
BAT54WS	C8

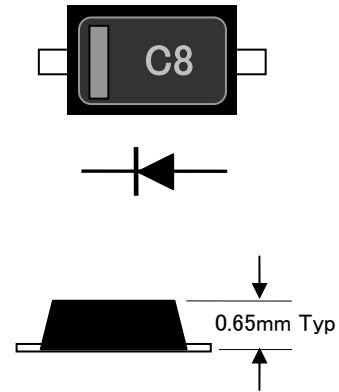


Fig.-1 Package SOD323F

Absolute Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
V_{RRM}	Repetitive Peak Reverse Voltage	30	V
V_R	DC Blocking Voltage	30	V
I_o	Continuous Forward Current	200	mA
I_{FSM}	Non-Repetitive Peak Forward Current *1	0.6	A
P_D	Power Dissipation	200	mW
T_J	Junction Temperature	125	°C
T_{STG}	Storage Temperature	-55 to +125	°C

*1 1 s surge forward current

Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
BV_R	Breakdown Voltage	$I_R = 100 \mu A$	30			V
I_R	Reverse Current	$V_R = 25V$			2	μA
V_F	Forward Voltage	$I_F = 0.1mA$			0.24	V
		$I_F = 1mA$			0.32	V
		$I_F = 10mA$			0.40	V
		$I_F = 30mA$			0.50	V
		$I_F = 100mA$			0.80	V
C	Capacitance	$V_R = 1V, f = 1MHz$			10	pF
T_{RR}	Reverse Recovery Time	$I_F = I_R = 10mA$ $I_{RR} = 1mA, R_L = 100 \Omega$			5	ns

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
BAT54WS	SOD323F	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive	

Package Dimensions

