

## SOT-323 Plastic-Encapsulate Diodes

### BAT54W/AW/CW/SW SCHOTTKY DIODE



**FEATURES**

Power dissipation

$P_D$ : 150 mW ( $T_{amb}=25^{\circ}C$ )

Forward Current

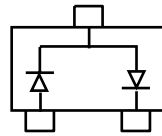
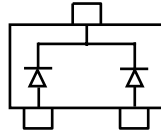
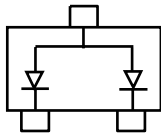
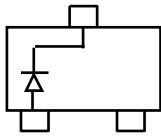
$I_F$ : 200 mA

Reverse Voltage

$V_R$ : 30 V

Operating and storage junction temperature range

$T_J, T_{stg}$ :  $-55^{\circ}C$  to  $+150^{\circ}C$



HONG KONG: BAT54W Marking: KL5    BAT54AW Marking: KL6    BAT54CW Marking: KL7    BAT54SW Marking: KL8  
 TAIWAN:            BAT54W Marking: B4    BAT54AW Marking: B7    BAT54CW Marking: 5C    BAT54SW Marking: B8

**ELECTRICAL CHARACTERISTICS ( $T_{amb}=25^{\circ}C$  unless otherwise specified)**

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu A$	30		V
Reverse voltage leakage current	$I_R$	$V_R=25V$		2	$\mu A$
Forward voltage	$V_F$	$I_F=0.1mA$ $I_F=1mA$ $I_F=10mA$ $I_F=30mA$ $I_F=100mA$		240 320 400 500 1000	mV
Diode capacitance	$C_D$	$V_R=1V, f=1MHz$		10	pF
Reverse recovery time	$t_{rr}$	$I_F=10mA$ through $I_R=10mA$ to $I_R=1.0mA$ $R_C=100\Omega$		5	nS