SOT-323 Plastic-Encapsulate Diodes

BAT54W/AW/CW/SW SCHOTTKY DIODE

SOT-323

FEATURES

Power dissipation

$P_{D:}$ 150 mW (Tamb=25℃)

Forward Current

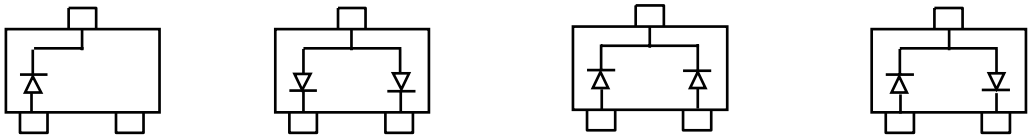
$I_{F:}$ 200 mA

Reverse Voltage

V_R: 30 V

Operating and storage junction temperature range

T_J, T_{stg}: -55℃ to +150℃



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
MALAYSIA:			BAT54CW Marking: 43t	

ELECTRICAL CHARACTERISTICS (Tamb=25℃ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	I_R= 100μA	30		V
Reverse voltage leakage current	I_R	V_R=25V		2	μA
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=100Ω		5	nS