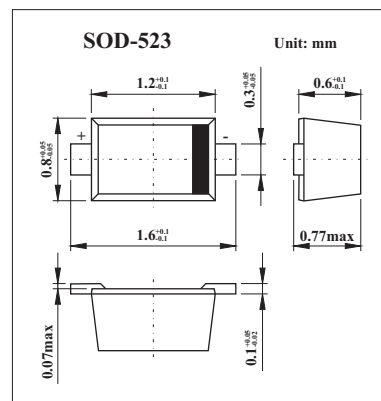


BAT54X

■ Features

- Extremely Fast Switching Speed
- Low forward voltage



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V _{RRM}	30	V
Forward continuous current	I _F	200	mA
Surge forward current	I _{FSM}	600	mA
Total power dissipation	P _{tot}	200	mW
Thermal resistance junction to ambient air	R _{thJA}	625	K/W
Junction temperature	T _j	125	°C
Storage temperature range	T _{stg}	-65 to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V _{(BR)R}	I _R = 100μA	30			V
Forward voltage	V _F	I _F =0.1mA I _F =1mA I _F =10mA I _F =30mA I _F =100mA			240 320 400 500 800	mV
Reverse voltage leakage current	I _R	V _R =25V			2	μA
Diode capacitance	C _d	V _R =1V, f=1MHz			10	pF
Reverse recovery time	t _{rr}	I _F =10mA I _R =10mA to I _R =1.0mA, R _L =100Ω			5	ns