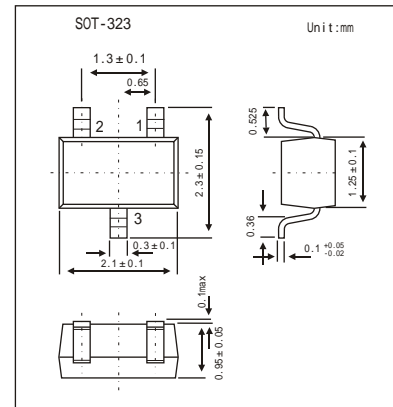
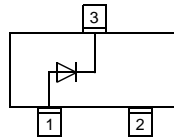


KAS19W - KAS21W

Features

- Fast switching speed
- Surface mount package Ideally suited for automatic insertion
- For general purpose switching applications



Absolute Maximum Ratings Ta = 25

Parameter	Symbol	KAS19W	KAS20W	KAS21W	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	120	200	250	V
Peak Repetitive Reverse Voltage	V _{RRM}				
Working Peak Reverse Voltage	V _{RWM}	100	150	200	V
DC Blocking Voltage	V _R				
RMS Reverse Voltage	V _{R(RMS)}	71	106	140	V
Average Rectified Output Current	I _o	200			mA
Forward Continuous Current	I _{FM}	400			mA
Non-Repetitive Peak Forward Surge Current @ t = 1.0 μs	I _{FSM}	2.5			A
@ t = 1.0s		0.5			
Repetitive Peak Forward Surge Current	I _{FRM}	625			mA
Power Dissipation	P _d	200			mW
Thermal Resistance Junction to Ambient Air	R _{JA}	625			K/W
Operating and Storage Temperature Range	T, T _{STG}	-65 to +150			

Electrical Characteristics Ta = 25

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Reverse Breakdown Voltage	V _{(BR)R}	I _R = 100 μA	120			V
			200			
			250			
Forward Voltage	V _F	I _F = 100mA I _F = 200mA			1.0 1.25	V
Reverse Current @ Rated DC Blocking Voltage	I _R	T _j = 25 T _j = 100			100 15	nA μA
Junction Capacitance	C _j	V _R = 0, f = 1.0MHz			5	pF
Reverse Recovery Time	t _{rr}	I _F = I _R = 30mA, I _{rr} = 0.1 X I _R , R _L = 100			50	ns



BAV19W - BAV21W

Typical Characteristics

