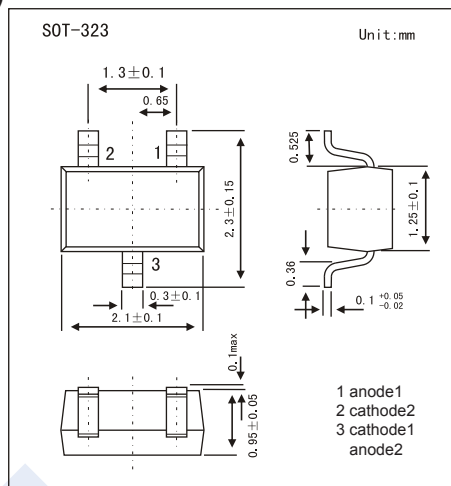
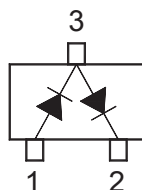


Switching Diodes

BAV99W (KAV99W)

■ Features

- Fast Switching Speed
- For General Purpose Switching Applications.
- High Conductance

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Continuous Reverse Voltage	V_R	75	
Forward Current (Double Diode Loaded)	I_F	125	mA
Forward Current (Single Diode Loaded)		215	
Repetitive Peak Forward Current	I_{FRM}	450	A
Non-repetitive Peak Forward Surge Current	I_{FSM}	0.5	
		1	
		1.5	
Power Dissipation	P_d	200	mW
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature range	T_{stg}	-65 to 150	

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V_R	$I_R = 100\text{ }\mu\text{A}$	100			V
Forward voltage	V_F	$I_F = 1\text{ mA}$			0.715	
		$I_F = 10\text{ mA}$			0.855	
		$I_F = 50\text{ mA}$			1	
		$I_F = 150\text{ mA}$			1.25	
Reverse voltage leakage current	I_R	$V_R = 25\text{ V}$			30	nA
		$V_R = 75\text{ V}$			1	uA
		$V_R = 25\text{ V}, T_J = 150^\circ\text{C}$			30	
		$V_R = 75\text{ V}, T_J = 150^\circ\text{C}$			50	
Junction capacitance	C_j	$V_R = 0\text{ V}, f = 1\text{ MHz}$			1.5	pF
Reverse recovery time	t_{rr}	$I_F = I_R = 10\text{ mA}, I_R = 1\text{ mA}, R_L = 100\text{ }\Omega$			4	ns

■ Marking

Marking	A7*
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Switching Diodes

BAV99W (KAV99W)

■ Typical Characteristics

