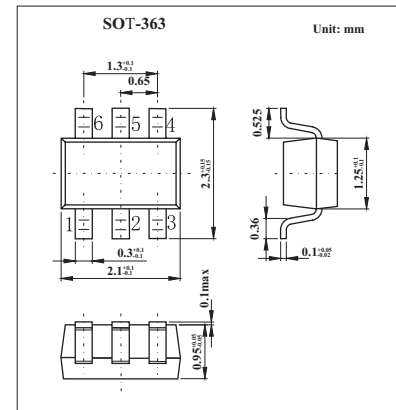
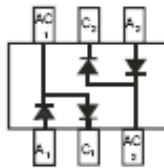


## Quad Surface Mount Low Leakage Diode

### KAV199DW(BAV199DW)

#### ■ Features

- Surface Mount Package Ideally Suited for Automatic Insertion
- Very Low Leakage Current



#### ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit	
Peak repetitive reverse voltage	VRRM	85	V	
Working peak reverse voltage	VRWM			
DC blocking voltage	VR			
RMS reverse voltage	VR(RMS)	60	V	
Forward Continuous Current	Single diode	160	mA	
	Double diode	140		
Repetitive Peak Forward Current	IFRM	500	mA	
Non-Repetitive Peak Forward Surge Current @ t = 1.0 μs	IFSM	4.0	A	
		@ t = 1.0ms		1.0
		@ t = 1.0s		0.5
Power dissipation	PD	200	mW	
Typical Thermal Resistance Junction to Ambient	RθJA	625	°C/W	
Operating and storage temperature range	Tj, Tstg	-65 to +150	°C	

#### ■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Reverse Breakdown Voltage	V(BR)R	IR = 100 μA	85			V
Forward voltage	VF	IF = 1.0mA			0.90	V
		IF = 10mA			1.0	
		IF = 50mA			1.1	
		IF = 150mA			1.25	
Leakage Current	IR	VR = 75V			5.0	μA
		VR = 75V, Tj = 150°C			80	
Junction Capacitance	CJ	VR = 0, f = 1.0MHz		2		pF
Reverse Recovery Time	trr	IF = IR = 10mA, Irr = 0.1xIR, RL = 100 Ω			3.0	μs

#### ■ Marking

Marking	K52
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