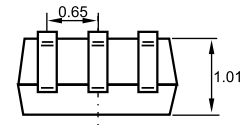
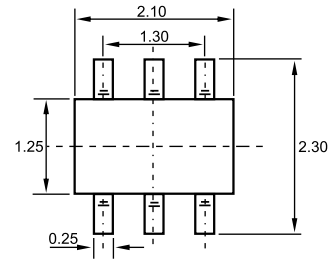

**SOT-363**


Dimensions in inches and (millimeters)

**Features**

- ✧ Fast switching speed.
- ✧ For general purpose switching application.
- ✧ Ultra-small surface mount package.
- ✧ High conductance.

**Applications**

- ✧ For general purpose switching application.

**Ordering Information**

Type No.	Marking	Package Code
BAW567DW	KAC	SOT-363

**MAXIMUM RATING @ Ta=25°C unless otherwise specified**

Symbol	Characteristic	Value	Unit
$V_R$	DC reverse voltage	75	V
$I_F$	Forward continuous current	150	mA
$P_D$	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	625	°C/W
$T_j, T_{stg}$	Junction and Storage Temperature	-55 to +150	°C

**ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R=2.5\mu A$	75	-	V
Forward voltage	$V_F$	$I_F=1.0mA$ $I_F=10mA$ $I_F=50mA$ $I_F=150mA$	-	0.715 0.855 1.0 1.25	V
Reverse voltage leakage current	$I_R$	$V_R=75V$ $V_R=20V$	-	2.5 0.025	$\mu A$
Junction Capacitance	$C_J$	$V_R=0V, f=1.0MHz$	-	2.0	pF
Reverse Recovery time	$t_{rr}$	$I_F=I_R=10mA, I_{rr}=0.1 \cdot I_R,$ $R_L=100\Omega$	-	4.0	ns

**TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**
