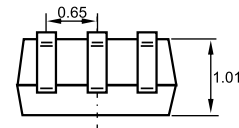
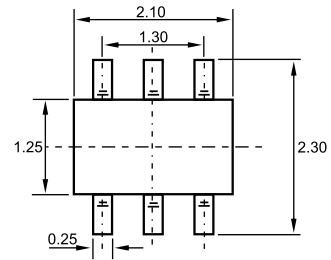

**SOT-363**


Dimensions in inches and (millimeters)

### Features

- ✧ Small power mold type.
- ✧ Low VF.
- ✧ High reliability.

### Applications

- ✧ Ultra high speed switching.

### Ordering Information

Type No.	Marking	Package Code
RB731XN	731	SOT-363

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

Symbol	Characteristic	Value	Unit
$V_{RM}$	Maximum peak reverse Voltage	40	V
$V_R$	DC reverse Voltage	40	V
$I_O$	Average forward output current	30	mA
$I_{FSM}$	Non-Repetitive peak forward surge current	0.2	A
$P_D$	Power Dissipation	200	mW
$T_j, T_{stg}$	Junction and Storage Temperature	-40 to +125	°C

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

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)R}$	$I_R=100\mu A$	40	-	V
Average reverse current	$I_R$	$V_R=10V$		1	$\mu A$
Forward voltage	$V_F$	$I_F=1mA$	-	0.37	V
Total Capacitance	$C_T$	$V_R=1.0V, f=1.0MHz$	-	2	pF

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