

RB731UTW

SURFACE MOUNT TRIPLE SCHOTTKY DIODES

This device features three electrically-isolated Schottky diodes housed in a very small SOT-363 package. It is ideal for applications where board space is at a premium.

FEATURES

- Low reverse leakage current (guaranteed $< 0.98\mu\text{A}@25\text{V}$)
- Reverse voltage rating of 40V

MECHANICAL DATA

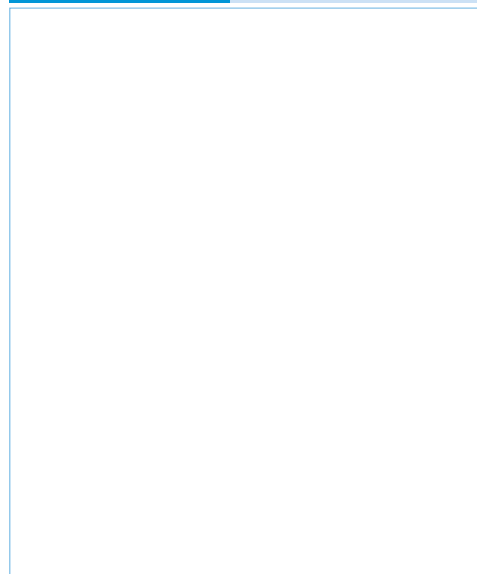
- Case : SOT-363 plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Approx Weight : 0.006 gram
- Marking : 73E

APPLICATIONS

- Mobile phones and accessories
- Video game consoles connector ports
- PDA'S

SOT-363

Unit: inch (mm)



MAXIMUM RATINGS (Per Diode) $T_J=25^\circ\text{C}$ Unless otherwise noted

Rating	Symbol	Value	Units
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Continuous Reverse Voltage	V_R	40	V
Average Rectified Forward Current	I_O	30	mA
Non-repetitive Peak Forward Current (60Hz, 1 cycle)	I_{FSM}	200	mA
Total Power Dissipation (Note 1)	P_{TOT}	200	mW
Operating Junction Temperature Range	T_J	-55 to 125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-65 to 150	$^\circ\text{C}$

THERMAL CHARACTERISTICS

Characteristic	Symbol	Value	Units
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	625	$^\circ\text{C}/\text{W}$

NOTE : 1. FR-4 Board = 70 x 60 x 1mm.

