

## QUAD SCHOTTKY DATA LINE BUS TERMINATOR

This highly integrated device is designed as rail to rail overvoltage protection clamp for up to four high frequency data lines. It is ideal in portable applications where small form factors are required.

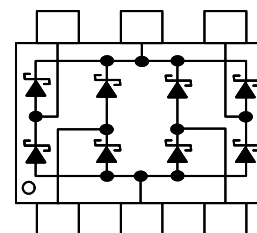
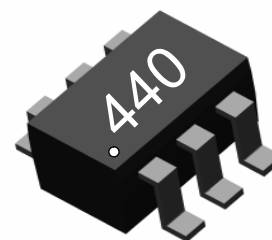
### FEATURES

- Low Forward Voltage Drop for Improved Voltage Protection
- Very Fast Switching
- Ultra Small SOT-363 Package Utilizing Minimal Board Space
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### APPLICATIONS

- PDAs
- Portable Computers

SOT-363



### MAXIMUM RATINGS $T_A = 25^\circ\text{C}$ , unless otherwise noted

Rating	Symbol	Value	Units
Marking Code		440	
Reverse Voltage	$V_R$	30	V
Continuous Forward Current	$I_F$	200	mA
Non-Repetitive Surge Current, $t=1\text{s}$	$I_{FSM}$	600	mA
Power Dissipation (Note 1)	$P_D$	200	mW
Operating Junction Temperature Range	$T_J$	-55 to +125	$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-65 to +125	$^\circ\text{C}$

Note 1: Device mounted on FR-4 board 1.0 inch x 0.85 inch x 0.062 inch, with minimum pad layout

### THERMAL CHARACTERISTICS

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