

February 1998

The specifications for the **LT<sup>®</sup>1328** have been revised as shown below with the addition of industrial temperature range of  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ . For complete specifications, typical performance characteristics and applications information, please see the **LT1328** data sheet.

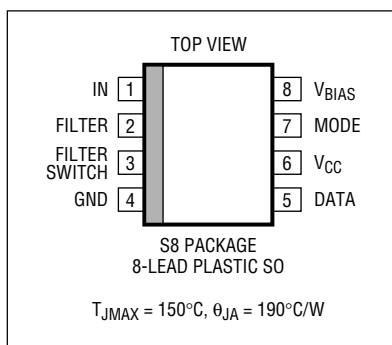
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## ABSOLUTE MAXIMUM RATINGS

Operating Temperature Range

LT1328C .....  $0^{\circ}\text{C}$  to  $70^{\circ}\text{C}$ 
**LT1328I** .....  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ 

## PACKAGE/ORDER INFORMATION

|                                                                                    |                               |
|------------------------------------------------------------------------------------|-------------------------------|
|  | ORDER PART NUMBER             |
|                                                                                    | LT1328CS8<br><b>LT1328IS8</b> |
|                                                                                    | S8 PART MARKING               |
|                                                                                    | 1328<br><b>1328I</b>          |

Consult factory for Military grade parts.

## ELECTRICAL CHARACTERISTICS

 $V_{CC} = 5\text{V}$ ,  $V_{GND} = 0\text{V}$ ,  $V_{MODE} = 2\text{V}$ ,  $-40^{\circ}\text{C} \leq T_A \leq 85^{\circ}\text{C}$ , unless otherwise specified.

| SYMBOL            | PARAMETER                     | CONDITIONS                            |   | MIN | TYP  | MAX | UNITS |
|-------------------|-------------------------------|---------------------------------------|---|-----|------|-----|-------|
| I <sub>PD</sub>   | Maximum Input Current         | Current Out of Pin 1                  | ● | 14  | 25   |     | mA    |
| I <sub>S</sub>    | Supply Current                | No Input Signal                       | ● | 2   | 2.2  |     | mA    |
| V <sub>S</sub>    | Operating Supply Voltage      |                                       | ● | 4.5 |      | 5.5 | V     |
| V <sub>IN</sub>   | Bias Voltage on Pin 1         | No Input Signal                       | ● | 0.9 | 1.5  | 2.2 | V     |
| V <sub>BIAS</sub> | Bias Voltage on Pin 8         | No Input Signal                       | ● | 0.9 | 1.5  | 2.2 | V     |
| V <sub>LT</sub>   | Quiescent Voltage on Pin 2    | No Input Signal                       | ● | 0.9 | 1.5  | 2.2 | V     |
| V <sub>THL</sub>  | Switch Logic Level Low Pin 7  |                                       | ● |     |      | 0.8 | V     |
| V <sub>THH</sub>  | Switch Logic Level High Pin 7 |                                       | ● | 2.0 |      |     | V     |
| V <sub>OL</sub>   | Comparator Output Low         | Voltage On Pin 5, 800μA Sink Current  | ● |     | 0.45 | 0.6 | V     |
| V <sub>OH</sub>   | Comparator Output High        | Voltage On Pin 5, 50μA Source Current | ● | 3.9 | 4.9  |     | V     |

The ● denotes specifications which apply over the specified operating temperature range.

For further information regarding this specification notice contact:

Linear Technology Corporation  
1630 McCarthy Blvd.  
Milpitas, California 95035-7417  
Attn: Product Marketing Manager  
Phone: (408) 432-1900