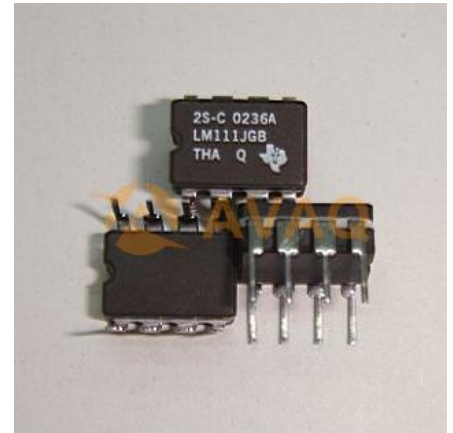


## Comparator Single $\pm 15\text{V}/30\text{V}$ 8-Pin CDIP Tube

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	CDIP8
<b>Product Type:</b>	Linear Displacement Sensors
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The LM111, LM211, and LM311 devices are single high-speed voltage comparators. These devices are designed to operate from a wide range of power-supply voltages, including  $\pm 15\text{-V}$  supplies for operational amplifiers and  $5\text{-V}$  supplies for logic systems. The output levels are compatible with most TTL and MOS circuits. These comparators are capable of driving lamps or relays and switching voltages up to  $50\text{ V}$  at  $50\text{ mA}$ . All inputs and outputs can be isolated from system ground. The outputs can drive loads referenced to ground,  $V_{CC+}$  or  $V_{CC}$ . Offset balancing and strobe capabilities are available, and the outputs can be wire-OR connected. If the strobe is low, the output is in the off state, regardless of the differential input.

## Key Features

Fast Response Time:  $165\text{ ns}$

Strobe Capability

Maximum Input Bias Current:  $300\text{ nA}$

Maximum Input Offset Current:  $70\text{ nA}$

Can Operate From Single  $5\text{-V}$  Supply

Available in Q-Temp Automotive  
High-Reliability Automotive Applications

Configuration Control and Print Support

Qualification to Automotive Standards

On Products Compliant to MIL-PRF-38535,  
All Parameters Are Tested Unless Otherwise Noted. On All Other Products, Production Processing Does Not Necessarily Include Testing of All Parameters.



## Recommended For You

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### **LM311MX**

Texas Instruments, Inc  
SOP8

### **LMV7219M5**

Texas Instruments, Inc  
SOT23-5

### **LM348D**

Texas Instruments, Inc  
SOP-14

### **LM224N**

Texas Instruments, Inc  
DIP14

### **LM239J**

Texas Instruments, Inc  
CDIP14

### **LMV331M5**

Texas Instruments, Inc  
SOT23-5

### **LM393ADR**

Texas Instruments, Inc  
SOP8

### **LM293DR**

Texas Instruments, Inc  
SOP8

### **LM293D**

Texas Instruments, Inc  
SOP8

### **LMV824MIX**

Texas Instruments, Inc  
TSSOP

### **LMV358M**

Texas Instruments, Inc  
SOP8

### **LMV321M5**

Texas Instruments, Inc  
SOT23-5

### **LM741H**

Texas Instruments, Inc  
CAN8

### **LM193AH**

Texas Instruments, Inc  
CAN8

### **LM111H/NOPB**

Texas Instruments, Inc  
CAN8